

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]				
	05/03/11 20:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/03/11 20:36 EST		0	Source: ASOS
A wind gust in excess of 30 knots was reported at Reagan National.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99]				
	05/03/11 22:15 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/03/11 22:15 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was reported at the Potomac Lighthouse.				
A southerly flow between a cold front over the Midwest and high pressure over the Atlantic Ocean caused deep moisture to move over the waters on the 3rd. Limited instability developed due to the moisture causing showers and thunderstorms to develop. Isolated thunderstorms did produce gusty winds due to the limited instability.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]				
	05/04/11 04:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/04/11 04:36 EST		0	Source: Buoy
A wind gust in excess of 30 knots was reported at Piney Point.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	05/04/11 04:45 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	05/04/11 04:55 EST		0	Source: Mesonet
Wind gusts up to 38 knots were reported at Point Lookout.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]				
	05/04/11 04:48 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	05/04/11 04:48 EST		0	Source: ASOS
A wind gust of 35 knots was reported at Patuxent River.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	05/04/11 05:02 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	05/04/11 05:19 EST		0	Source: Mesonet
Wind gusts up to 36 knots were reported at Bishops Head.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	05/04/11 05:04 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	05/04/11 05:20 EST		0	Source: Mesonet
Wind gusts up to 38 knots were reported at Smith Island.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	05/04/11 05:06 EST		0	Marine Thunderstorm Wind (MG 43 kt)
	05/04/11 05:12 EST		0	Source: Mesonet
Wind gusts up to 43 knots were reported at Bishops Head.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	05/04/11 05:20 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	05/04/11 05:30 EST		0	Source: Mesonet
Wind gusts up to 42 knots were reported at Crisfield.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/04/11 05:23 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	05/04/11 05:23 EST		0	Source: Mesonet

A wind gust of 36 knots was reported at Raccoon Point.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37]				
	05/04/11 17:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/04/11 17:50 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at Miller Island.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]				
	05/04/11 18:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/04/11 18:06 EST		0	Source: Mesonet

Wind gusts in excess of 30 knots were reported at Tolchester Beach.

A cold front passed through the waters during the morning hours of the 4th. Showers and thunderstorms developed along and ahead of the front. Thunderstorms were able to mix down gusty winds from aloft across portions of the waters.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	05/06/11 17:29 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/06/11 17:29 EST		0	Source: ASOS

A wind gust in excess of 30 knots was reported at Quantico.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.1 NNE MONROE CREEK [38.23, -76.95]				
	05/06/11 17:45 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	05/06/11 17:45 EST		0	Source: Mesonet

A wind gust of 39 knots was reported Monroe Creek.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	05/06/11 18:00 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	05/06/11 18:05 EST		0	Source: Mesonet

Wind gusts up to 39 knots were reported at Cobb Point.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99]				
	05/06/11 18:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/06/11 18:15 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at the Potomac Lighthouse.

PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.3 S BALTIMORE CITY [39.28, -76.59]				
	05/06/11 19:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/06/11 19:35 EST		0	Source: Mesonet

Wind gusts over 30 knots were reported at Tide Point.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	05/06/11 19:04 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	05/06/11 19:09 EST		0	Source: Mesonet

Wind gusts up to 40 knots were reported at Smith Island.

PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	05/06/11 19:12 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/06/11 19:12 EST		0	Source: Buoy

A wind gust in excess of 30 knots was reported at Key Bridge.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	05/06/11 20:00 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/06/11 20:00 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at Thomas Point Lighthouse.				
A mid-level trough of low pressure passed through the waters during the afternoon and evening hours of the 6th. Showers and thunderstorms developed ahead of the trough axis. There was enough instability ahead of the trough axis for some thunderstorms to mix down gusty winds.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 3.8 S WEST POTOMAC HIGH SCHOOL [38.73, -77.07]				
	05/14/11 20:20 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/14/11 20:20 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at the Upper Potomac Buoy.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34]				
	05/14/11 20:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/14/11 20:30 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at the Lower Potomac Buoy.				
A warm front passed through the waters on the 14th. Warm and moist air behind the front led to the development of showers and thunderstorms. Isolated thunderstorms were able to mix down gusty winds from aloft.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.8 N US NAVAL ACADEMY [38.99, -76.49]				
	05/15/11 18:40 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	05/15/11 18:40 EST	0		Source: Buoy
A wind gust of 39 knots was reported at the Annapolis Buoy.				
Upper-level low pressure was over the waters on the 15th. Limited instability developed due to colder air aloft associated with the upper-level low. There was enough instability for an isolated thunderstorm to produce gusty winds.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	05/17/11 09:55 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/17/11 09:55 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Cobb Point.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	05/17/11 14:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/17/11 14:15 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Cobb Point.				
Low pressure both at the surface and aloft developed remained over the Mid-Atlantic during on the 17th. A southeast flow around this system ushered in plenty of moisture off the Atlantic Ocean. The moisture caused moderate amounts of instability to develop. An upper-level disturbance combined with the moderate instability to trigger showers and thunderstorms. Isolated thunderstorms were able to mix down gusty winds from aloft.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 8.2 S QUANTICO [38.38, -77.30]				
	05/18/11 16:50 EST	0		Marine Hail (0.75 in)
	05/18/11 16:50 EST	0		Source: Public
Penny sized hail was reported near Potomac Creek.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	05/18/11 18:31 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	05/18/11 18:31 EST	0		Source: ASOS
A wind gust in excess of 30 knots was reported at Quantico.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An upper-level low was over the waters during the 18th. Showers and thunderstorms developed due to the instability associated with the upper-level low. Isolated thunderstorms did produce gusty winds and large hail.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]

	05/19/11 17:30 EST	0	Marine Thunderstorm Wind (MG 35 kt)
	05/19/11 17:30 EST	0	Source: Mesonet

A wind gust of 35 knots was reported at Point Lookout.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34]

	05/19/11 17:40 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	05/19/11 17:40 EST	0	Source: Buoy

A wind gust in excess of 30 knots was reported at the Lower Potomac Buoy.

An upper-level low remained over the waters on the 19th. Moderate instability developed due to the unusual amount of cold air aloft. The instability led to showers and thunderstorms during the afternoon and evening hours. A couple thunderstorms were able to produce gusty winds.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 1.2 SE PATUXENT RIVER ASOS [38.28, -76.39]

	05/23/11 03:32 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	05/23/11 03:32 EST	0	Source: ASOS

A wind gust in excess of 30 knots was reported at Patuxent River.

A southerly flow between low pressure over the Great Lakes and high pressure over the Atlantic Ocean caused deep moisture to move over the waters on the 23rd. Limited instability developed due to the moisture causing showers and thunderstorms to develop. An isolated thunderstorm did produce gusty winds.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.0 E WEST POTOMAC HIGH SCHOOL [38.78, -77.05]

	05/24/11 15:39 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	05/24/11 15:39 EST	0	Source: Mesonet

A wind gust in excess of 30 knots was reported near Alexandria.

A cold front passed through the waters on the 24th. Showers and thunderstorms developed along and ahead of the front. An isolated thunderstorm was able to mix down gusty winds from aloft across the upper Tidal Potomac River.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]

	05/27/11 18:05 EST	0	Marine Thunderstorm Wind (MG 40 kt)
	05/27/11 18:05 EST	0	Source: ASOS

A wind gust of 40 knots was reported at Quantico.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 3.8 S WEST POTOMAC HIGH SCHOOL [38.73, -77.07]

	05/27/11 18:40 EST	0	Marine Thunderstorm Wind (MG 35 kt)
	05/27/11 18:40 EST	0	Source: Buoy

A wind gust of 35 knots was measured at the Upper Potomac Buoy.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]

	05/27/11 18:44 EST	0	Marine Thunderstorm Wind (MG 39 kt)
	05/27/11 18:44 EST	0	Source: ASOS

A wind gust of 39 knots was reported at Regan National.

A warm and moist airmass remained over the waters during the 27th. A surface trough provided the lifting mechanism for more showers and thunderstorms to develop. Copious amounts of instability caused some thunderstorms to produce gusty winds.

DISTRICT OF COLUMBIA

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(DC-Z001) DISTRICT OF COLUMBIA				
	05/18/11 07:18 EST		0	Coastal Flood
	05/18/11 08:12 EST		0	

A potent onshore existed between high pressure over New England and low pressure over the Midwest. The onshore flow caused tidal anomalies to increase over the Tidal Potomac River.

(DC-Z001) DISTRICT OF COLUMBIA				
	05/19/11 07:23 EST		0	Coastal Flood
	05/20/11 15:42 EST		0	

Heavy rainfall on May 17th and 18th caused elevated fresh water levels upstream along the Potomac River. A rush of freshwater from the Potomac River caused water levels to rise along the Tidal Potomac River near Washington DC on the 19th and 20th.

The elevated water levels caused moderate coastal flooding for areas near the Tidal Potomac River in Washington D.C.

MARYLAND, Central

BALTIMORE COUNTY --- 0.6 SSW BRADSHAW [39.41, -76.39], 1.5 SSW BRADSHAW [39.40, -76.39], 1.2 SW BRADSHAW [39.41, -76.40], 0.7 SW BRADSHAW [39.41, -76.39]				
	05/16/11 17:00 EST		0	Flood (due to Heavy Rain)
	05/16/11 19:00 EST		0	Source: State Official

Eastbound lanes of Route 40 near Jones Road in the White Marsh area was closed due to flooding.

A nearly stationary area of low pressure over the Ohio Valley produced several days of intermittent showers and thunderstorms across the mid-Atlantic leading up to May 16th. On the afternoon and evening of May 16, creeks and streams rose high enough to flood a highway in Baltimore County.

ALLEGANY COUNTY --- 1.3 WSW FLINTSTONE [39.69, -78.59], 0.7 SSW FLINTSTONE [39.69, -78.58], 1.0 SSW FLINTSTONE [39.69, -78.58], 1.8 SW FLINTSTONE [39.68, -78.59]				
	05/17/11 16:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 17:30 EST		0	Source: Emergency Manager

Flash flooding was occurring over Dickerson Hollow Road and Murleys Branch Road. A nearby spotter measured 1.15 inches of rain.

ALLEGANY COUNTY --- 2.2 ENE WOLFE MILL [39.68, -78.69], 2.7 E WOLFE MILL [39.68, -78.68], 2.4 E WOLFE MILL [39.67, -78.69], 1.6 ENE WOLFE MILL [39.68, -78.70]				
	05/17/11 16:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 17:30 EST		0	Source: Emergency Manager

Baltimore Pike Fire Hall was experiencing flash flooding on its site. A nearby spotter measured 3.5 inches of rain.

ALLEGANY COUNTY --- 0.7 N ALLEGHANY GROVE [39.66, -78.82], 0.7 SSW LONG [39.66, -78.80], 0.9 ENE ALLEGHANY GROVE [39.65, -78.80], 0.2 NNE ALLEGHANY GROVE [39.65, -78.82]				
	05/18/11 15:30 EST		0	Flash Flood (due to Heavy Rain)
	05/18/11 18:00 EST		0	Source: Emergency Manager

Numerous roads were closed and basements and yards were flooded in La Vale.

ALLEGANY COUNTY --- MT SAVAGE [39.70, -78.88], 0.7 ESE MT SAVAGE [39.70, -78.87], 0.6 S MT SAVAGE [39.69, -78.88], 0.8 SW MT SAVAGE [39.69, -78.89]				
	05/18/11 15:30 EST		0	Flash Flood (due to Heavy Rain)
	05/18/11 18:00 EST		0	Source: Emergency Manager

Numerous roads were closed and yards and basements flooded in Mount Savage.

A nearly stationary area of upper level low pressure system over the Ohio Valley provided plenty of lift to combine with an usually strong and moist southeasterly low-level flow to produce bands of moderate to heavy showers across the mid-Atlantic. With saturated ground in place, flash flooding occurred in Allegany County as thunderstorms repeated training across the area. Rainfall amounts of up to 5 inches were measured near Mount Savage.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FREDERICK COUNTY --- 0.8 SW GARFIELD [39.59, -77.54], 1.1 W GARFIELD [39.60, -77.55]				
	05/17/11 16:35 EST		20K	Tornado (EF0, L: 1.10 mi , W: 50 yd)
	05/17/11 16:39 EST		0	Source: NWS Storm Survey
<p>Trees were snapped and uprooted along a track that began from south-southeast of the intersection of Forest School Road and Brandenburg Hollow Road to southwest of the intersection of Garfield Road and John Cline Road. Minor shingle damage was noted to two structures.</p> <p>Siding was partially removed from a single-family home, where a backyard play center that had been bolted to the ground was snapped from its moorings and rolled.</p>				
WASHINGTON COUNTY --- 0.2 ENE MAUGANSVILLE [39.68, -77.75], 0.2 ENE CEARFOSS [39.70, -77.78]				
	05/17/11 19:10 EST		0.30M	Tornado (EF1, L: 2.11 mi , W: 200 yd)
	05/17/11 19:18 EST		0	Source: NWS Storm Survey
<p>Numerous snapped and uprooted trees continued along a track from near the intersection of Wellspring Road and Jennifer Lane to near the intersection of Greencastle Pike and Cearfoss Pike. Several Sheds and Outbuildings were overturned or destroyed. A garage door was blown inward on a detached garage, leading to the failure of the roof structure.</p> <p>Numerous hardwood and softwood trees were snapped by Garden View Road, Maugansville Road and Cearfoss Pike. A recreational vehicle was blown onto its side and moved forty-five feet into a neighboring yard. Shingle damage was very common. A stone 19th-century home suffered a roof uplift.</p> <p>Low pressure both at the surface and aloft developed remained over the Mid-Atlantic during on the 17th. A southeast flow around this system ushered in plenty of moisture off the Atlantic Ocean. The moisture caused moderate amounts of instability to develop. An upper-level disturbance combined with the moderate instability to trigger showers and thunderstorms. Winds changing in speed and direction with height caused an isolated thunderstorm to produce a tornado across north-central Maryland.</p>				
(MD-Z014) ANNE ARUNDEL				
	05/18/11 04:54 EST		0	Coastal Flood
	05/18/11 06:09 EST		0	
<p>A potent onshore existed between high pressure over New England and low pressure over the Midwest. The onshore flow caused tidal anomalies to increase over the Tidal Potomac River.</p>				
ALLEGANY COUNTY --- 0.7 NW ECKHART MINES [39.66, -78.91]				
	05/18/11 15:00 EST		0	Hail (1.00 in)
	05/18/11 15:00 EST		0	Source: Trained Spotter
<p>Quarter sized hail was reported at Eckhart Mines.</p>				
WASHINGTON COUNTY --- 0.7 S (HGR)HAGERSTOWN RGNL [39.71, -77.73]				
	05/18/11 16:22 EST		0	Thunderstorm Wind (MG 51 kt)
	05/18/11 16:22 EST		0	Source: Mesonet
<p>A wind gust of 59 mph was measured near Maugansville.</p> <p>An upper-level low remained over the region on the 18th. Moderate instability developed due to the unusual amount of cold air aloft. Showers and thunderstorms developed due to the instability. An isolated thunderstorm did produce large hail.</p>				
MONTGOMERY COUNTY --- 2.2 S POOLESVILLE [39.12, -77.42]				
	05/23/11 17:00 EST		0	Hail (1.00 in)
	05/23/11 17:00 EST		0	Source: Public
<p>Quarter sized hail was reported along the Poolesville Golf Course.</p> <p>A southerly flow between upper-level low pressure over the Plains and upper-level high pressure over the Atlantic Ocean produced plenty of moisture over the region during the 23rd. A pressure trough also remained over the area during this time. The moisture produced moderate amounts of instability which combined with the pressure trough to trigger showers and thunderstorms. An isolated thunderstorm did produce large hail.</p>				
HOWARD COUNTY --- 0.4 N GLENWOOD [39.29, -77.03]				
	05/24/11 15:49 EST		0	Hail (1.00 in)
	05/24/11 15:49 EST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Quarter sized hail was reported at Glenwood.				
HOWARD COUNTY --- 0.8 NNW GLENWOOD [39.29, -77.04]				
	05/24/11 15:49 EST		0	Hail (1.00 in)
	05/24/11 15:49 EST		0	Source: Public
Quarter sized hail was reported at Glenwood.				
A surface trough combined with moderate amounts of instability to trigger showers and thunderstorms during the 24th. A few thunderstorm did produce large hail due to the moderate amounts of instability.				
ALLEGANY COUNTY --- 0.8 SSE MC COOLE [39.44, -78.96]				
	05/26/11 14:57 EST		0	Hail (1.00 in)
	05/26/11 14:57 EST		0	Source: Trained Spotter
Hail up to the size of quarters was reported near McCoole.				
ALLEGANY COUNTY --- 0.7 NNW MC COOLE [39.46, -78.98]				
	05/26/11 15:00 EST		0	Hail (1.50 in)
	05/26/11 15:00 EST		0	Source: Trained Spotter
Hail up to the size of ping pong balls was reported just north of Keyser.				
ALLEGANY COUNTY --- 1.0 SW DAWSON [39.47, -78.96]				
	05/26/11 15:02 EST		0	Hail (1.00 in)
	05/26/11 15:02 EST		0	Source: Trained Spotter
Quarter sized hail was reported near McCoole.				
ALLEGANY COUNTY --- 0.6 NNW EVITTS CREEK [39.64, -78.76]				
	05/26/11 15:19 EST		0	Hail (1.25 in)
	05/26/11 15:19 EST		0	Source: Public
Half dollar sized hail was reported near Cumberland.				
ALLEGANY COUNTY --- 1.3 E CUMBERLAND [39.65, -78.75]				
	05/26/11 15:20 EST		0	Hail (1.25 in)
	05/26/11 15:20 EST		0	Source: Public
Half dollar sized hail was reported near Cumberland.				
ALLEGANY COUNTY --- 0.4 SSE SPRING GAP [39.57, -78.72]				
	05/26/11 15:30 EST		0	Hail (1.25 in)
	05/26/11 15:30 EST		0	Source: Trained Spotter
Hail up to the size of half dollars was reported at Spring Gap.				
ALLEGANY COUNTY --- 0.4 SSE SPRING GAP [39.57, -78.72]				
	05/26/11 15:32 EST		0	Hail (1.00 in)
	05/26/11 15:32 EST		0	Source: Trained Spotter
Quarter sized hail was estimated at Spring Gap.				
ALLEGANY COUNTY --- 0.3 SW PINTO [39.57, -78.85]				
	05/26/11 15:33 EST		0	Hail (1.00 in)
	05/26/11 15:33 EST		0	Source: Public
Quarter sized hail was reported near Pinto.				
ALLEGANY COUNTY --- 0.7 SE OLDTOWN [39.54, -78.61]				
	05/26/11 15:33 EST		3K	Thunderstorm Wind (EG 56 kt)
	05/26/11 15:33 EST		0	Source: County Official

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Multiple trees were down in Oldtown.				
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ALLEGANY COUNTY --- 0.7 NNE LUKE [39.49, -79.04]				
	05/26/11 15:35 EST		0	Hail (1.00 in)
	05/26/11 15:35 EST		0	Source: Public
Quarter sized hail was reported at Westernport.				
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ALLEGANY COUNTY --- 2.8 E RIDGELEY [39.63, -78.60]				
	05/26/11 15:42 EST		0	Hail (1.00 in)
	05/26/11 15:42 EST		0	Source: Public
Quarter sized hail was reported near Pumpkin Center.				
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ALLEGANY COUNTY --- 3.5 E FLINTSTONE [39.69, -78.50]				
	05/26/11 15:50 EST		0	Hail (1.00 in)
	05/26/11 15:50 EST		0	Source: Public
Quarter sized hail was reported near Flintstone.				
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ALLEGANY COUNTY --- 4.2 ESE FLINTSTONE [39.68, -78.50]				
	05/26/11 15:50 EST		0	Hail (1.25 in)
	05/26/11 15:50 EST		0	Source: Public
Half dollar sized hail was reported near Flintstone.				
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ALLEGANY COUNTY --- 1.3 WNW LITTLE ORLEANS [39.64, -78.40]				
	05/26/11 15:55 EST		0	Hail (1.75 in)
	05/26/11 15:55 EST		0	Source: Public
Golf ball sized hail was reported near Flintstone.				
<hr/>				
ALLEGANY COUNTY --- 1.3 WNW LITTLE ORLEANS [39.64, -78.40]				
	05/26/11 15:55 EST		0	Hail (2.75 in)
	05/26/11 15:55 EST		0	Source: Public
Baseball sized hail was reported near Little Orleans.				
<hr/>				
ALLEGANY COUNTY --- 4.4 WSW PINEY GROVE [39.68, -78.46]				
	05/26/11 15:55 EST		0	Hail (1.00 in)
	05/26/11 15:55 EST		0	Source: Public
Quarter sized hail was reported near Little Orleans.				
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ALLEGANY COUNTY --- 1.5 NNE LITTLE ORLEANS [39.65, -78.37]				
	05/26/11 15:57 EST		0	Hail (2.25 in)
	05/26/11 15:57 EST		0	Source: Public
Hail up to 2.25 inches in diameter was reported near Little Orleans.				
<hr/>				
ALLEGANY COUNTY --- 1.9 SSE PINEY GROVE [39.67, -78.37]				
	05/26/11 15:57 EST		5K	Hail (2.25 in)
	05/26/11 15:57 EST		0	Source: Public
Hail up to 2.25 inches in diameter was reported near Bellegrove. Hail caused minor roof damage along with broken windows.				
<hr/>				
ALLEGANY COUNTY --- 1.1 SSE PINEY GROVE [39.68, -78.38]				
	05/26/11 15:58 EST		0	Hail (2.00 in)
	05/26/11 15:58 EST		0	Source: Public
Hail up to 2.00 inches in diameter was reported near Bellegrove.				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEGANY COUNTY --- 1.4 SSW PINEY GROVE [39.68, -78.39]				
	05/26/11 15:58 EST		2K	Hail (2.50 in)
	05/26/11 15:58 EST		0	Source: Public
Tennis ball sized hail covered a patio and produced minor roof damage near Bellegrove.				
ALLEGANY COUNTY --- 2.5 W PINEY GROVE [39.70, -78.43]				
	05/26/11 15:58 EST		0	Hail (1.25 in)
	05/26/11 15:58 EST		0	Source: Public
Half dollar sized hail was reported near Bellegrove.				
ALLEGANY COUNTY --- 2.9 W PINEY GROVE [39.69, -78.43]				
	05/26/11 15:58 EST		0	Hail (1.25 in)
	05/26/11 15:58 EST		0	Source: Public
Half dollar sized hail was reported near Bellegrove.				
ALLEGANY COUNTY --- 2.7 SSW BELLE GROVE [39.66, -78.35]				
	05/26/11 15:59 EST		0	Hail (1.25 in)
	05/26/11 15:59 EST		0	Source: Public
Half dollar sized hail was reported near Bellegrove.				
ALLEGANY COUNTY --- 2.4 SSE PINEY GROVE [39.67, -78.37]				
	05/26/11 16:00 EST		5K	Hail (2.00 in)
	05/26/11 16:00 EST		0	Source: Public
Hail up to 2.00 inches in diameter was reported near Little Orleans. Hail caused dents in vehicles.				
ALLEGANY COUNTY --- 0.4 W PINEY GROVE [39.70, -78.39]				
	05/26/11 16:01 EST		0	Hail (1.50 in)
	05/26/11 16:01 EST		0	Source: Public
Hail up to the size of ping pong balls was reported about three miles west of Bellegrove.				
ALLEGANY COUNTY --- 0.5 SSW BELLE GROVE [39.69, -78.33]				
	05/26/11 16:02 EST		0	Hail (1.75 in)
	05/26/11 16:02 EST		0	Source: Public
Hail up to the size of golf balls was reported near Bellegrove.				
ALLEGANY COUNTY --- 1.0 W BELLE GROVE [39.70, -78.35]				
	05/26/11 16:02 EST		0	Hail (1.75 in)
	05/26/11 16:02 EST		0	Source: Public
Hail up to the size of golf balls was reported near Bellegrove.				
ALLEGANY COUNTY --- 1.2 NW PINEY GROVE [39.71, -78.40]				
	05/26/11 16:02 EST		10K	Hail (2.00 in)
	05/26/11 16:02 EST		0	Source: Public
Hail up to two inches in diameter was reported near Bellegrove. Hail caused dents in cars.				
ALLEGANY COUNTY --- 0.3 NW BELLE GROVE [39.70, -78.33]				
	05/26/11 16:03 EST		10K	Hail (2.00 in)
	05/26/11 16:03 EST		0	Source: Public
Hail up to two inches in diameter was reported near Bellegrove. The large hail was responsible for four broken windows along with damage to vehicles.				
ALLEGANY COUNTY --- 0.3 NW BELLE GROVE [39.70, -78.33]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/26/11 16:03 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/11 16:03 EST		0	Source: Public
A tree six inches in diameter was down due to thunderstorm winds.				
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ALLEGANY COUNTY --- 1.4 WSW BELLE GROVE [39.69, -78.35]				
	05/26/11 16:03 EST		0	Hail (1.75 in)
	05/26/11 16:03 EST		0	Source: Public
Hail up to the size of golf balls was reported near Bellegrove.				
<hr/>				
ALLEGANY COUNTY --- 2.4 E RIDGELEY [39.63, -78.61]				
	05/26/11 16:03 EST		0	Hail (1.75 in)
	05/26/11 16:03 EST		0	Source: Public
Golf ball sized hail was reported near North Branch.				
<hr/>				
ALLEGANY COUNTY --- 1.2 NW BELLE GROVE [39.71, -78.35]				
	05/26/11 16:04 EST		0	Hail (2.00 in)
	05/26/11 16:04 EST		0	Source: Public
Hail up to two inches in diameter was reported near Bellegrove.				
<hr/>				
WASHINGTON COUNTY --- 0.7 NW FOREST PARK [39.71, -78.31]				
	05/26/11 16:05 EST		0	Hail (2.75 in)
	05/26/11 16:05 EST		0	Source: Fire Department/Rescue
Hail up to the size of baseballs was reported near Forest Park.				
<hr/>				
WASHINGTON COUNTY --- HANCOCK [39.70, -78.18]				
	05/26/11 16:15 EST		0	Hail (1.75 in)
	05/26/11 16:15 EST		0	Source: Unknown
Golf ball sized hail was reported in Hancock.				
<hr/>				
WASHINGTON COUNTY --- 1.8 NNE INDIAN SPGS [39.67, -77.99]				
	05/26/11 16:25 EST		0	Hail (1.00 in)
	05/26/11 16:25 EST		0	Source: Public
Quarter sized hail was reported near Pecktonville.				
<hr/>				
WASHINGTON COUNTY --- 2.5 N INDIAN SPGS [39.69, -77.99]				
	05/26/11 16:25 EST		0	Hail (1.00 in)
	05/26/11 16:25 EST		0	Source: Public
Quarter sized hail was reported near Pecktonville.				
<hr/>				
ALLEGANY COUNTY --- 0.3 W OLDTOWN [39.55, -78.62]				
	05/26/11 16:33 EST		0	Hail (1.75 in)
	05/26/11 16:33 EST		0	Source: Trained Spotter
Golf ball sized hail was reported near Oldtown.				
<p>A southerly flow between upper-level low pressure over the Midwest and upper-level high pressure over the Atlantic Ocean produced a warm and moist airmass over the region. A surface trough also remained overhead during this time. The instability from the airmass along with the surface trough triggered showers and thunderstorms. High amounts of instability along with strong winds aloft caused thunderstorms to become severe with large hail being the primary threat.</p>				
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ALLEGANY COUNTY --- 0.9 SSE CARLOS [39.61, -78.96]				
	05/27/11 14:21 EST		0	Hail (1.00 in)
	05/27/11 14:21 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Woodland.				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEGANY COUNTY --- 0.6 WSW ECKHART MINES [39.65, -78.91]				
	05/27/11 14:29 EST		0	Hail (1.25 in)
	05/27/11 14:29 EST		0	Source: Trained Spotter
Hail up to the size of half dollars was reported near Eckhart Mines.				
ALLEGANY COUNTY --- 0.7 NW ECKHART MINES [39.66, -78.91]				
	05/27/11 14:32 EST		0	Hail (1.00 in)
	05/27/11 14:32 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Eckhart Mines.				
ALLEGANY COUNTY --- 1.3 N PLEASANT VLY [39.72, -78.63]				
	05/27/11 16:45 EST		0	Hail (1.75 in)
	05/27/11 16:45 EST		0	Source: Public
Golf ball sized hail was reported near Pleasant Valley.				
WASHINGTON COUNTY --- SHARPSBURG [39.45, -77.75]				
	05/27/11 18:43 EST		0	Thunderstorm Wind (EG 52 kt)
	05/27/11 18:43 EST		0	Source: Unknown
A tree was down in Sharpsburg.				
MONTGOMERY COUNTY --- 1.0 WNW GAITHERSBURG [39.13, -77.22]				
	05/27/11 18:59 EST		0	Thunderstorm Wind (MG 52 kt)
	05/27/11 18:59 EST		0	Source: Mesonet
A wind gust of 60 mph was measured in Gaithersburg.				
WASHINGTON COUNTY --- 1.6 W RINGGOLD [39.72, -77.60]				
	05/27/11 19:11 EST		0	Thunderstorm Wind (EG 52 kt)
	05/27/11 19:11 EST		0	Source: Unknown
A thunderstorm wind gust of 60 mph was estimated near Ringgold based on a report of thunderstorm wind damage nearby.				
CARROLL COUNTY --- 0.2 E PIPE CREEK MILL [39.67, -77.10]				
	05/27/11 19:39 EST		2K	Thunderstorm Wind (EG 56 kt)
	05/27/11 19:39 EST		0	Source: Trained Spotter
A tree four inches in diameter was destroyed near Taneytown. Two trees that were eight inches in diameter were split in half.				
BALTIMORE COUNTY --- 0.6 SE OWINGS MILLS [39.41, -76.77]				
	05/27/11 19:50 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/27/11 19:50 EST		0	Source: Trained Spotter
A tree was down blocking the roadway near the intersection of Reisterstown Road and St. Thomas lane.				
A warm and moist airmass remained over the region during the 27th. A surface trough provided the lifting mechanism for more showers and thunderstorms to develop. Copious amounts of instability caused some thunderstorms to become severe.				
ALLEGANY COUNTY --- 0.5 W EVITTS CREEK [39.63, -78.76], 1.1 WSW EVITTS CREEK [39.63, -78.77], 1.2 W EVITTS CREEK [39.63, -78.77], 1.0 W EVITTS CREEK [39.63, -78.77]				
	05/27/11 16:25 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: Trained Spotter
Lexington Avenue was closed due to flash flooding.				
ALLEGANY COUNTY --- 0.7 N EVITTS CREEK [39.64, -78.75], 1.0 ESE CUMBERLAND [39.65, -78.75], 0.9 ESE CUMBERLAND [39.64, -78.75], 0.6 NW EVITTS CREEK [39.64, -78.76]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/27/11 16:35 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: Public

At least six inches of water was flowing down Louisiana Avenue in Cumberland. A rain gage near the event measured a total of 1.75 inches.

ALLEGANY COUNTY --- 0.5 E MT SAVAGE [39.70, -78.87], 0.4 SW BARRELVILLE [39.70, -78.86], 0.7 E BARRELVILLE [39.70, -78.84], 0.8 ENE BARRELVILLE [39.70, -78.84], 0.2 E MT SAVAGE [39.70, -78.88]

	05/27/11 16:45 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: Trained Spotter

At least 4 flooded basements in the area. Spotter reported 1 inch of rain in about 10 minutes.

ALLEGANY COUNTY --- 1.1 W EVITTS CREEK [39.63, -78.77], 0.8 W EVITTS CREEK [39.63, -78.76], 0.7 WNW EVITTS CREEK [39.63, -78.76], 0.9 WNW EVITTS CREEK [39.63, -78.77]

	05/27/11 16:45 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: Amateur Radio

Car stranded in water on Virginia Avenue. A nearby spotter observed 1.18 inches of rain in 30 minutes leading up to the event.

ALLEGANY COUNTY --- 0.5 E CUMBERLAND [39.65, -78.76], 0.8 E CUMBERLAND [39.65, -78.75], 0.9 NW EVITTS CREEK [39.64, -78.76], 0.7 SSE CUMBERLAND [39.64, -78.77]

	05/27/11 16:55 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: State Official

Water was over the roadways of Industrial Blvd and Maryland Ave.

ALLEGANY COUNTY --- 1.1 E CUMBERLAND [39.65, -78.75], 1.0 N EVITTS CREEK [39.64, -78.75], 1.2 NE EVITTS CREEK [39.64, -78.74], 1.4 NNE EVITTS CREEK [39.65, -78.74]

	05/27/11 16:55 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: State Official

Water was deep and swift enough to wash the payment off of Williams Street between the 100 and 700 blocks.

A nearly stationary front drifted east into western Maryland during the afternoon. Thunderstorms trained over the same area for several hours across locations that had saturated ground. Flash flooding resulted in Allegany County. Rainfall amounts of up to 2.75 inches were observed.

VIRGINIA, North

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

	05/05/11 03:00 EST		0	Frost/Freeze
	05/05/11 06:30 EST		0	

Canadian high pressure build over the Potomac Highlands of Virginia during the early morning hours of the 5th. Mainly clear skies along with light winds allowed temperatures to drop below freezing during this time.

(VA-Z054) ARLINGTON

	05/12/11 01:38 EST		0	Coastal Flood
	05/12/11 02:56 EST		0	

A persistent onshore flow caused water levels to rise along the upper portion of the Tidal Potomac River at Alexandria during the early morning hours of the 12th.

PRINCE WILLIAM COUNTY --- 2.7 SSE GREENWICH [38.71, -77.64]

	05/16/11 18:38 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/16/11 18:38 EST		0	Source: Fire Department/Rescue

A tree was knocked down across Burwell Road near the Fauquier County Line.

FAUQUIER COUNTY --- 2.7 NNE AUBURN [38.74, -77.68]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/16/11 18:40 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/16/11 18:40 EST		0	Source: Public

Large tree limbs were down along Rogue Road.

PRINCE WILLIAM COUNTY --- 2.3 N NOKESVILLE [38.73, -77.58]

	05/16/11 18:40 EST		2K	Thunderstorm Wind (EG 50 kt)
	05/16/11 18:40 EST		0	Source: Fire Department/Rescue

A large tree fell onto power lines near the intersection of Vint Hill Road and Sudley Manor Drive.

PRINCE WILLIAM COUNTY --- 1.4 SW WELLINGTON [38.77, -77.57]

	05/16/11 18:43 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/16/11 18:43 EST		0	Source: Public

A large tree fell onto power lines near the intersection of Devlin Road and University Boulevard.

LOUDOUN COUNTY --- 2.1 W MIDDLEBURG [38.98, -77.81]

	05/16/11 19:10 EST		0	Hail (1.00 in)
	05/16/11 19:10 EST		0	Source: Public

Quarter sized hail was estimated near Middleburg.

Low pressure both at the surface and aloft developed over the Mid-Atlantic during the 16th. A southeast flow around this system ushered in plenty of moisture off the Atlantic Ocean. The moisture caused moderate amounts of instability to develop. The combination of the instability and an upper-level disturbance in the southeast flow aloft caused showers and thunderstorms to develop. Some thunderstorms did become severe with damaging winds and large hail.

MANASSAS (C) COUNTY --- 1.4 S MANASSAS [38.73, -77.48], 1.6 S MANASSAS [38.73, -77.48], 1.5 S MANASSAS [38.73, -77.48], 1.4 S MANASSAS [38.73, -77.48]

	05/16/11 19:10 EST		0	Flash Flood (due to Heavy Rain)
	05/16/11 20:00 EST		0	Source: State Official

A high water rescue was underway near the intersection of Lucasville Road and Hidden Spring Drive. Water was 3 feet deep. A rain gage nearby measured 1.90 inches.

PRINCE WILLIAM COUNTY --- 2.2 NNW ADEN [38.68, -77.55], 2.1 NNW ADEN [38.68, -77.54], 1.9 W BRENTSVILLE [38.68, -77.54], 1.9 NNW ADEN [38.68, -77.54]

	05/16/11 19:10 EST		0	Flash Flood (due to Heavy Rain)
	05/16/11 20:00 EST		0	Source: State Official

Fleetwood Drive was closed near Parkgate Drive due to flash flooding.

PRINCE WILLIAM COUNTY --- BRISTOW [38.72, -77.53], 0.6 SSE BRISTOW [38.71, -77.53], 0.6 SSW BRISTOW [38.71, -77.53], 0.2 SW BRISTOW [38.72, -77.53]

	05/16/11 19:10 EST		0	Flash Flood (due to Heavy Rain)
	05/16/11 20:00 EST		0	Source: State Official

Valley View Drive was closed near Bristow Road due to flash flooding.

A nearly stationary area of low pressure over the Ohio Valley produced several days of intermittent showers and thunderstorms across the mid-Atlantic leading up to May 16th. On the afternoon and evening of May 16, training thunderstorms over saturated produced in excess of 2 inches of rain across portions of Prince William County and adjacent independent cities. This prompted flash flooding over the southwestern suburbs of the Washington metropolitan area.

ALBEMARLE COUNTY --- 2.1 S SHADWELL [37.99, -78.40], 1.3 S SHADWELL [38.00, -78.40], 1.2 S SHADWELL [38.00, -78.40], 2.0 S SHADWELL [37.99, -78.40]

	05/17/11 08:45 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 10:30 EST		0	Source: Department of Highways

Milton Road was impassible and closed due to flooding. A nearby rain gage measured 2.48 inches.

ALBEMARLE COUNTY --- 1.1 W BLEMHEIM [37.90, -78.52], 0.9 S BLEMHEIM [37.89, -78.50], 0.9 ENE BLEMHEIM [37.91, -78.48], 0.4 NNW BLEMHEIM [37.91, -78.50]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/17/11 09:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 10:30 EST		0	Source: Department of Highways

Secretarys Road and Blenheim Roads were closed due to flooding.

GREENE COUNTY --- 1.8 NW STANDARDSVILLE [38.32, -78.45], 1.8 NW STANDARDSVILLE [38.32, -78.45], 1.6 NNW STANDARDSVILLE [38.32, -78.45], 1.6 NW STANDARDSVILLE [38.32, -78.45]

	05/17/11 10:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 11:30 EST		0	Source: Department of Highways

Spotswood Trail and Octonia Road were closed due to flooding. A nearby spotter measured 2.14 inches of rain.

ROCKINGHAM COUNTY --- 0.9 NW GENOA [38.66, -78.93], 0.5 NNW GENOA [38.66, -78.92], 0.6 WNW GENOA [38.65, -78.93], 3.2 W GENOA [38.65, -78.98], 2.9 W GENOA [38.66, -78.97]

	05/17/11 10:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 17:00 EST		0	Source: Department of Highways

The Little Dry River was flooding Third Hill Road.

ROCKINGHAM COUNTY --- 2.2 E FULKS RUN [38.67, -78.86], 2.4 ENE FULKS RUN [38.68, -78.86], 2.1 E FULKS RUN [38.67, -78.86], 2.0 E FULKS RUN [38.67, -78.86]

	05/17/11 10:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 17:00 EST		0	Source: Department of Highways

Sours Run is out of its banks on over Sours Run Road. A nearby rain gage totaled 2.17 inches.

ROCKINGHAM COUNTY --- BROADWAY [38.62, -78.80], 0.2 S BROADWAY [38.62, -78.80], 0.6 E BROADWAY [38.62, -78.79], 0.7 ENE BROADWAY [38.62, -78.79], 0.6 ENE BROADWAY [38.62, -78.79]

	05/17/11 10:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 17:00 EST		0	Source: Department of Highways

Linville Creek was out of its banks, causing flooding of Shenandoah Avenue.

SHENANDOAH COUNTY --- 1.0 S LIBERTY FURNACE [38.87, -78.70], 0.7 SW LIBERTY FURNACE [38.87, -78.71], 0.8 SSW JEROME [38.86, -78.73], 1.1 SSE JEROME [38.86, -78.71]

	05/17/11 11:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 18:00 EST		0	Source: Department of Highways

Stony Creek was flooded forcing the closure of Dellinger Gap Road and Supinlick Ridge Road.

SHENANDOAH COUNTY --- 1.3 ESE WHEATFIELD [39.07, -78.36], 2.3 ESE WHEATFIELD [39.07, -78.34], 2.4 E WHEATFIELD [39.08, -78.34], 1.8 E WHEATFIELD [39.08, -78.35], 0.8 ESE WHEATFIELD [39.08, -78.37]

	05/17/11 11:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 18:00 EST		0	Source: Department of Highways

Julius Keller Road was flooded and impassible.

SHENANDOAH COUNTY --- 1.6 E MAURERTOWN [38.93, -78.42], 1.4 ESE MAURERTOWN [38.92, -78.42], 1.0 ESE MAURERTOWN [38.93, -78.43], 1.3 E MAURERTOWN [38.93, -78.43]

	05/17/11 11:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 18:00 EST		0	Source: Department of Highways

Woodville Road was flooded by Jordan Run and Riverview Drive was flooded by Toms Brook. A nearby spotter measured 1.27 inches.

GREENE COUNTY --- 2.1 NE STANDARDSVILLE [38.32, -78.40], 3.0 ENE STANDARDSVILLE [38.31, -78.38], 3.4 NE QUINQUE [38.29, -78.36], 2.8 NE QUINQUE [38.28, -78.37], 2.0 E STANDARDSVILLE [38.30, -78.39]

	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Department of Highways

Dundee Road was flooded and impassible.

MADISON COUNTY --- 1.4 N ARODA [38.35, -78.23], 1.1 W ELLY [38.35, -78.22], 0.8 ENE ARODA [38.34, -78.22], 0.4 N ARODA [38.34, -78.23]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Department of Highways
Tom Johnston Road was flooded.				
ORANGE COUNTY --- 1.6 WNW LOCUSTGROVE [38.31, -77.85], 1.5 WNW LOCUSTGROVE [38.31, -77.84], 1.7 WNW LOCUSTGROVE [38.31, -77.85], 1.8 WNW LOCUSTGROVE [38.31, -77.85]				
	05/17/11 12:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 15:00 EST		0	Source: Department of Highways
Old Office Road was flooded near Mine Run.				
ROCKINGHAM COUNTY --- 0.7 N ATHLONE [38.54, -78.70], 1.4 N ATHLONE [38.55, -78.70], 1.7 N ATHLONE [38.55, -78.70], 0.9 NNW ATHLONE [38.54, -78.71]				
	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Department of Highways
War Branch was over Mountain Valley Road, making the road impassible.				
SHENANDOAH COUNTY --- 2.8 ENE NEW MARKET [38.66, -78.62], 1.7 ESE NEW MARKET [38.64, -78.64], 0.9 ENE NEW MARKET [38.66, -78.66], 1.7 ENE NEW MARKET [38.66, -78.64]				
	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Department of Highways
Smith Creek Road was flooded and impassible.				
CULPEPER COUNTY --- 0.7 N WINSTON [38.41, -78.02], 1.7 NNE WINSTON [38.42, -78.01], 1.5 NE WINSTON [38.42, -78.00], 0.5 ENE WINSTON [38.40, -78.01]				
	05/17/11 13:20 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 15:00 EST		0	Source: Department of Highways
Several roads, including Route 617, were flooded and impassible near Zachary Taylor Highway. A nearby rain gage measured 2.67 inches.				
ORANGE COUNTY --- 0.9 NE DANTON [38.19, -77.91], 0.8 SSW DANTON [38.17, -77.92], 1.1 S DANTON [38.16, -77.92], 0.8 ESE DANTON [38.18, -77.91]				
	05/17/11 13:30 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 15:00 EST		0	Source: Department of Highways
State Route 651 was flooded and impassible.				
CULPEPER COUNTY --- 0.6 S CULPEPER [38.47, -78.00], 2.7 SW INLET [38.45, -77.96], 3.0 NE WINSTON [38.43, -77.98], 2.2 ENE WHITE SHOP [38.44, -78.03]				
	05/17/11 14:30 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 16:00 EST		0	Source: Law Enforcement
High water at various low-lying roadways. A rain gage at Culpeper measured 1.79 inches.				
WARREN COUNTY --- 0.9 SW FRONT ROYAL ARPT [38.94, -78.13], 0.8 SSW FRONT ROYAL ARPT [38.94, -78.13], 1.1 SSW FRONT ROYAL ARPT [38.94, -78.13], 1.1 SW FRONT ROYAL ARPT [38.94, -78.13]				
	05/17/11 15:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 16:30 EST		0	Source: Department of Highways
Morgan Ford Road was closed due to a flash flood on Manassas Run.				
FREDERICK COUNTY --- 2.1 SE BARTONVILLE [39.10, -78.19], 2.2 NW ARMEL [39.10, -78.18], 2.1 ENE STEPHENS CITY [39.10, -78.19], 2.0 NE STEPHENS CITY [39.10, -78.19]				
	05/17/11 15:30 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 17:00 EST		0	Source: Emergency Manager
Flash flooding was reported at the intersection of Aylor Road and Tasker Road. A nearby rain gage measured 2.04 inches.				
WINCHESTER (C) COUNTY --- 3.4 N WINCHESTER [39.18, -78.17], 3.2 N WINCHESTER [39.18, -78.16], 3.1 N WINCHESTER [39.17, -78.16], 3.1 N WINCHESTER [39.17, -78.16]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/17/11 17:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 23:00 EST		0	Source: Trained Spotter

Abrams Creek was flooded at Pall Mall Street. A spotter in Winchester measured 3.40 inches.

GREENE COUNTY --- 0.5 E LYDIA [38.33, -78.49], 0.7 WNW LYDIA [38.34, -78.51], 2.2 WNW LYDIA [38.35, -78.53], 2.1 NW LYDIA [38.35, -78.53], 0.5 NE LYDIA [38.34, -78.49]

05/17/11 19:00 EST	0	Flash Flood (due to Heavy Rain)
05/17/11 22:00 EST	0	Source: Department of Highways

Spotswood Trail was closed due to flash flooding.

GREENE COUNTY --- 0.9 NNW STANDARDSVILLE [38.31, -78.44], 1.1 NNW STANDARDSVILLE [38.32, -78.43], 1.0 NNE STANDARDSVILLE [38.31, -78.42], 0.4 NE STANDARDSVILLE [38.30, -78.43]

05/17/11 22:00 EST	0	Flood (due to Heavy Rain)
05/18/11 05:00 EST	0	Source: Law Enforcement

Water was over roadway.

SHENANDOAH COUNTY --- 0.7 N VAN BUREN FURNACE [38.98, -78.55], 2.1 NE VAN BUREN FURNACE [38.99, -78.52], 2.5 ENE VAN BUREN FURNACE [38.99, -78.51], 0.8 ENE VAN BUREN FURNACE [38.97, -78.54]

05/17/11 23:00 EST	0	Flash Flood (due to Heavy Rain)
05/18/11 02:00 EST	0	Source: Department of Highways

Cedar Creek was out of its banks, forcing the closure of Van Buren Road.

ROCKINGHAM COUNTY --- 0.7 S BROADWAY [38.61, -78.80], 1.9 W GREEN MT [38.52, -78.91], 1.0 WSW KEEZLETOWN [38.42, -78.82], 0.7 SW LACEY SPG [38.52, -78.78]

05/18/11 03:00 EST	0	Flood (due to Heavy Rain)
05/18/11 10:00 EST	0	Source: Department of Highways

Several Roads were closed across the county due to flooding.

SHENANDOAH COUNTY --- WOODSTOCK [38.88, -78.52], 2.5 NNW SEVEN FOUNTAINS [38.88, -78.42], 2.2 NW EDITH XRDS [38.79, -78.53], 0.5 NNW HAMBURG [38.81, -78.63]

05/18/11 03:00 EST	0	Flood (due to Heavy Rain)
05/18/11 10:00 EST	0	Source: Department of Highways

At least two dozen roads were closed due to flooding across the county.

PRINCE WILLIAM COUNTY --- 1.6 ESE CATHARPIN [38.84, -77.54], 1.9 ESE CATHARPIN [38.84, -77.54], 1.9 SE CATHARPIN [38.83, -77.54], 1.5 ESE CATHARPIN [38.84, -77.55]

05/18/11 15:30 EST	0	Flash Flood (due to Heavy Rain)
05/18/11 16:30 EST	0	Source: NWS Employee

Water of a depth of at least 6 inches was flowing across Featherbed Lane north of Route 29.

A nearly stationary area of upper level low pressure system over the Ohio Valley provided plenty of lift to combine with an usually strong and moist southeasterly low-level flow to produce bands of moderate to heavy showers across the mid-Atlantic. With saturated ground in place and the training nature of the widespread showers, flood and flash flooding was the result across portions of northern Virginia. Rainfall amounts of over 3 inches were common and included a measurement of 4.48 inches from Earlysville, VA.

NELSON COUNTY --- 1.5 NW SCHUYLER [37.80, -78.72]

05/17/11 14:35 EST	0	Hail (1.00 in)
05/17/11 14:35 EST	0	Source: Public

Quarter sized hail was reported near Schuyler.

FREDERICK COUNTY --- 0.3 WSW MT PLEASANT [39.17, -78.31]

05/17/11 15:13 EST	0	Hail (1.00 in)
05/17/11 15:13 EST	0	Source: Public

Quarter sized hail was reported near High View Manor.

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FREDERICK COUNTY --- 1.4 ESE HAYFIELD [39.22, -78.28]				
	05/17/11 15:17 EST	0		Hail (1.00 in)
	05/17/11 15:17 EST	0		Source: Public
Quarter sized hail was reported near Hayfield.				
FREDERICK COUNTY --- 1.6 NNE CLOWSER GAP [39.20, -78.32]				
	05/17/11 15:18 EST	0		Hail (1.00 in)
	05/17/11 15:18 EST	0		Source: Public
Quarter sized hail was reported near Hayfield.				
<p>Low pressure both at the surface and aloft developed remained over the Mid-Atlantic during on the 17th. A southeast flow around this system ushered in plenty of moisture off the Atlantic Ocean. The moisture caused moderate amounts of instability to develop. An upper-level disturbance combined with the moderate instability to trigger showers and thunderstorms. Some thunderstorms large hail.</p>				
(VA-Z054) ARLINGTON				
	05/18/11 06:49 EST	0		Coastal Flood
	05/18/11 08:32 EST	0		
<p>A potent onshore existed between high pressure over New England and low pressure over the Midwest. The onshore flow caused tidal anomalies to increase over the Tidal Potomac River.</p>				
KING GEORGE COUNTY --- 0.6 NNE SEALSTON [38.28, -77.33]				
	05/18/11 16:28 EST	0		Hail (1.00 in)
	05/18/11 16:28 EST	0		Source: Public
Quarter sized hail was reported on Hardwood Drive.				
KING GEORGE COUNTY --- 0.5 WNW PASSAPATANZY [38.30, -77.33]				
	05/18/11 16:31 EST	0		Hail (1.50 in)
	05/18/11 16:31 EST	0		Source: Public
Hail up the size of ping pong balls was reported along Pinewood Lane.				
FAUQUIER COUNTY --- 2.4 S ORLEAN [38.72, -77.95]				
	05/18/11 16:45 EST	0		Hail (1.00 in)
	05/18/11 16:45 EST	0		Source: Public
Quarter sized hail was reported near Orlean.				
STAFFORD COUNTY --- 3.7 E BLOOKE [38.37, -77.31]				
	05/18/11 16:50 EST	0		Hail (1.00 in)
	05/18/11 16:50 EST	0		Source: Public
Quarter sized hail was reported along Aztec Drive.				
SPOTSYLVANIA COUNTY --- 0.7 WSW CONCORD HGTS [38.27, -77.49]				
	05/18/11 17:58 EST	0		Hail (1.25 in)
	05/18/11 17:58 EST	0		Source: Public
Half dollar sized hail was reported near Fredericksburg.				
SPOTSYLVANIA COUNTY --- 0.9 NW FOUR MILE FORK [38.26, -77.49]				
	05/18/11 17:58 EST	0		Hail (1.00 in)
	05/18/11 17:58 EST	0		Source: Trained Spotter
Quarter sized hail was reported near Fredericksburg.				
FREDERICKSBURG (C) COUNTY --- 0.4 WSW FREDERICKSBURG [38.30, -77.48]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/18/11 18:06 EST		0	Hail (1.00 in)
	05/18/11 18:06 EST		0	Source: Trained Spotter

Quarter sized hail was reported at Fredericksburg.

An upper-level low remained over the region on the 18th. Moderate instability developed due to the unusual amount of cold air aloft. Showers and thunderstorms developed due to the instability. Some thunderstorms did produce large hail.

(VA-Z054) ARLINGTON

05/19/11 07:59 EST	0	Coastal Flood
05/19/11 10:06 EST	0	

A persistent onshore flow continued through the 19th. The onshore flow continued to cause positive tidal anomalies along the Tidal Potomac River.

(VA-Z054) ARLINGTON

05/20/11 08:54 EST	0	Coastal Flood
05/20/11 10:38 EST	0	

An onshore flow continued to cause elevated water levels along the Tidal Potomac River near Alexandria.

AUGUSTA COUNTY --- 1.7 SW FORDWICK [38.05, -79.39]

05/22/11 21:27 EST	1K	Thunderstorm Wind (EG 52 kt)
05/22/11 21:27 EST	0	Source: Fire Department/Rescue

A tree was down along Littler River Road.

AUGUSTA COUNTY --- 1.9 SW FORDWICK [38.05, -79.39]

05/22/11 21:27 EST	1K	Thunderstorm Wind (EG 52 kt)
05/22/11 21:27 EST	0	Source: Fire Department/Rescue

A tree was down along the 2500 Block of Estaline Valley Road.

AUGUSTA COUNTY --- 0.3 N AUGUSTA SPGS [38.10, -79.32]

05/22/11 21:37 EST	1K	Thunderstorm Wind (EG 50 kt)
05/22/11 21:37 EST	0	Source: Fire Department/Rescue

A tree was down along the 2800 Block of Little Calf Pasture Highway.

AUGUSTA COUNTY --- 0.8 WNW WEST VIEW [38.17, -79.18]

05/22/11 21:45 EST	1K	Thunderstorm Wind (EG 50 kt)
05/22/11 21:45 EST	0	Source: Fire Department/Rescue

A tree was down along Swoope Road.

A southerly flow between upper-level low pressure over the Plains and upper-level high pressure over the Atlantic Ocean produced plenty of moisture over the region during the 22nd. A stationary boundary also remained over the area during this time. The moisture produced moderate amounts of instability which combined with the stationary front to trigger showers and thunderstorms. Some thunderstorms did become severe with damaging winds.

FREDERICK COUNTY --- 0.5 SE MOUNTAIN FALLS [39.12, -78.39]

05/23/11 14:56 EST	5K	Thunderstorm Wind (EG 52 kt)
05/23/11 14:56 EST	0	Source: County Official

A tree fell onto a house near Wilde Acres.

FREDERICK COUNTY --- 1.5 NNE MOUNTAIN FALLS [39.14, -78.39]

05/23/11 14:56 EST	5K	Thunderstorm Wind (EG 52 kt)
05/23/11 14:56 EST	0	Source: County Official

A tree fell onto a house about one mile southeast of Wilde Acres.

A southerly flow between upper-level low pressure over the Plains and upper-level high pressure over the Atlantic Ocean produced

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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plenty of moisture over the region during the 23rd. A pressure trough also remained over the area during this time. The moisture produced moderate amounts of instability which combined with the pressure trough to trigger showers and thunderstorms. A couple thunderstorms did produce damaging winds.

HIGHLAND COUNTY --- 1.4 SW MILL GAP [38.31, -79.72]

05/26/11 15:30 EST			0	Hail (1.50 in)
05/26/11 15:30 EST			0	Source: Public

Hail up to the size of ping pong balls was reported near Mill Gap.

HIGHLAND COUNTY --- 2.2 WSW MILL GAP [38.30, -79.73]

05/26/11 15:30 EST			0	Hail (1.25 in)
05/26/11 15:30 EST			0	Source: Public

Hail up to the size of half dollars was reported near Mill Gap.

HIGHLAND COUNTY --- 2.2 WSW MILL GAP [38.30, -79.73]

05/26/11 16:20 EST			0	Hail (1.25 in)
05/26/11 16:20 EST			0	Source: Public

Hail up to the size of half dollars was reported near Mill Gap.

HIGHLAND COUNTY --- 1.4 SW MILL GAP [38.31, -79.72]

05/26/11 16:21 EST			0	Hail (1.00 in)
05/26/11 16:21 EST			0	Source: Public

Quarter sized hail was reported near Mill Gap.

HIGHLAND COUNTY --- 0.3 WNW MILL GAP [38.32, -79.70]

05/26/11 16:55 EST			0	Hail (1.00 in)
05/26/11 16:55 EST			0	Source: Public

Quarter sized hail was reported at Mill Gap.

HIGHLAND COUNTY --- 1.4 SW MILL GAP [38.31, -79.72]

05/26/11 16:55 EST			0	Hail (1.25 in)
05/26/11 16:55 EST			0	Source: Public

Hail up to the size of half dollars was reported near Mill Gap.

HIGHLAND COUNTY --- 2.2 WSW MILL GAP [38.30, -79.73]

05/26/11 16:55 EST			0	Hail (1.25 in)
05/26/11 16:55 EST			0	Source: Public

Hail up to the size of half dollars was reported near Mill Gap.

HIGHLAND COUNTY --- 0.7 WNW MONTEREY HANNAH ARPT [38.40, -79.61]

05/26/11 17:05 EST			0	Hail (1.00 in)
05/26/11 17:05 EST			0	Source: Public

Quarter sized hail was reported near Monterey.

FREDERICK COUNTY --- 0.4 NNW FREYCO [39.23, -78.10]

05/26/11 17:30 EST			3K	Thunderstorm Wind (EG 52 kt)
05/26/11 17:30 EST			0	Source: County Official

Trees were down on Stephenson Road.

FREDERICK COUNTY --- 1.0 E BRUCETOWN [39.25, -78.05]

05/26/11 17:35 EST			10K	Thunderstorm Wind (EG 70 kt)
05/26/11 17:35 EST			0	Source: County Official

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Part of a roof was blown off a house with two inch by twelve inch boards. Maple tree limbs were twisted and broken.				
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AUGUSTA COUNTY --- 1.2 NNE BUFFALO GAP [38.19, -79.22]	05/26/11 22:25 EST		0	Thunderstorm Wind (EG 61 kt)
	05/26/11 22:25 EST		0	Source: COOP Observer
The Buffalo Gap High School press box was damaged by thunderstorm winds.				
A southerly flow between upper-level low pressure over the Midwest and upper-level high pressure over the Atlantic Ocean produced a warm and moist airmass over the region. A surface trough also remained overhead during this time. The instability from the airmass along with the surface trough triggered showers and thunderstorms. High amounts of instability along with strong winds aloft caused some thunderstorms to become severe west of the Blue Ridge Mountains.				
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SPOTSYLVANIA COUNTY --- 1.1 E FIVE MILE [38.28, -77.53]	05/27/11 17:40 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/27/11 17:40 EST		0	Source: Trained Spotter
Large limbs were snapped off small to medium-sized trees.				
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SPOTSYLVANIA COUNTY --- 1.0 E FIVE MILE [38.28, -77.53]	05/27/11 17:42 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/27/11 17:42 EST		0	Source: Trained Spotter
Multiple three to five inch branches were down near the intersection of Castlebridge Road and Salem Run Boulevard.				
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FREDERICKSBURG (C) COUNTY --- 0.2 WNW FREDERICKSBURG [38.30, -77.47]	05/27/11 17:44 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/27/11 17:44 EST		0	Source: Trained Spotter
Multiple four inch limbs were down on the campus of the University of Mary Washington.				
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STAFFORD COUNTY --- STAFFORD [38.42, -77.40]	05/27/11 17:58 EST		3K	Thunderstorm Wind (EG 56 kt)
	05/27/11 17:58 EST		0	Source: Trained Spotter
Multiple trees and power lines were down near Decatur Road.				
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LOUDOUN COUNTY --- 1.6 S BLOOMFIELD [39.01, -77.81]	05/27/11 18:00 EST		0	Thunderstorm Wind (EG 50 kt)
	05/27/11 18:00 EST		0	Source: Trained Spotter
A tree was down on Takaro Farm Lane.				
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PRINCE WILLIAM COUNTY --- 0.7 SW INDEPENDENT HILL [38.62, -77.44]	05/27/11 18:10 EST		2K	Thunderstorm Wind (EG 52 kt)
	05/27/11 18:10 EST		0	Source: Trained Spotter
Trees were down along Joplin Road south of Independent Hill.				
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PRINCE WILLIAM COUNTY --- 1.3 ENE WOODBRIDGE ARPT [38.69, -77.30]	05/27/11 18:15 EST		3K	Thunderstorm Wind (EG 56 kt)
	05/27/11 18:15 EST		0	Source: Trained Spotter
Several trees were down in Lake Ridge.				
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LOUDOUN COUNTY --- 1.6 SSE ALDIE [38.95, -77.62]	05/27/11 18:18 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/27/11 18:18 EST		0	Source: Amateur Radio
A tree that was eight inches in diameter was down near the intersection of Routes 15 and 50.				
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FAIRFAX COUNTY --- 1.0 SSE SIDEBURN [38.79, -77.29]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/27/11 18:30 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/27/11 18:30 EST		0	Source: Public

Several one to two inch diameter trees were down near the intersection of Coffey Woods Road and Burke Centre Parkway.

FAIRFAX COUNTY --- 1.1 NE OAKTON [38.89, -77.29]

	05/27/11 18:35 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/27/11 18:35 EST		0	Source: Amateur Radio

A tree that was eight inches in diameter was down near the intersection of Routes 15 and 50.

FAIRFAX COUNTY --- 0.7 N CHESTERBROOK GARDENS [38.91, -77.20]

	05/27/11 18:41 EST		1K	Thunderstorm Wind (EG 56 kt)
	05/27/11 18:41 EST		0	Source: Public

Large limbs were snapped and thrown into neighboring yards by thunderstorm winds.

FAIRFAX COUNTY --- 0.0 W FRANKLIN PARK [38.92, -77.15]

	05/27/11 18:43 EST		0	Thunderstorm Wind (EG 52 kt)
	05/27/11 18:43 EST		0	Source: Trained Spotter

A thunderstorm wind gust was estimated to be around 60 mph.

A warm and moist airmass remained over the region during the 27th. A surface trough provided the lifting mechanism for more showers and thunderstorms to develop. Copious amounts of instability caused some thunderstorms to become severe.

WEST VIRGINIA, East

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

	05/05/11 03:00 EST		0	Frost/Freeze
	05/05/11 06:30 EST		0	

Canadian high pressure build over eastern West Virginia during the early morning hours of the 5th. Mainly clear skies along with light winds allowed temperatures to drop below freezing during this time.

PENDLETON COUNTY --- 1.0 W RUDDLE [38.72, -79.32]

	05/13/11 12:45 EST		0	Hail (1.00 in)
	05/13/11 12:45 EST		0	Source: Public

Quarter sized hail was estimated near Ruddle.

Surface high pressure moved off the east coast on the 13th. A return flow ushered in a warm and moist airmass across the Potomac Highlands of West Virginia. Scattered showers and thunderstorms developed due to the airmass. An isolated thunderstorm did produce large hail.

BERKELEY COUNTY --- 0.5 W MARTINSBURG [39.45, -77.98], 0.7 NNE MARTINSBURG [39.46, -77.97], 0.9 NNW MARTINSBURG [39.46, -77.98], 1.1 WNW MARTINSBURG [39.46, -77.99]

	05/17/11 07:00 EST		0	Flash Flood (due to Heavy Rain)
	05/17/11 08:30 EST		0	Source: Newspaper

Tuscarora Creek overflowed its banks forcing the closures of numerous roads. A spotter near the event reported 3.25 inches of rain.

GRANT COUNTY --- 1.5 SSW LANDES [38.88, -79.21], 1.7 SSE LANDES [38.88, -79.19], 0.8 SE LANDES [38.89, -79.19], 0.3 SSW LANDES [38.90, -79.20]

	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Trained Spotter

Water was reported over the road along Route 220 near the Pendleton County line. A nearby rain gage measured 1.18 inches.

GRANT COUNTY --- 2.6 SW ARTHUR [39.04, -79.15], 1.1 SSW ARTHUR [39.06, -79.13], 1.5 W ARTHUR [39.07, -79.15], 2.0 WSW ARTHUR [39.06, -79.15]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/17/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 19:00 EST		0	Source: Trained Spotter

Water was reported over Hot Hill Road near Brick School Road.

BERKELEY COUNTY --- 3.0 E BEDINGTON [39.51, -77.84], 3.1 ESE BEDINGTON [39.50, -77.85], 1.5 S BEDINGTON [39.50, -77.90], 0.3 SE BEDINGTON [39.52, -77.90]

	05/17/11 16:00 EST		0	Flood (due to Heavy Rain)
	05/17/11 23:00 EST		0	Source: Trained Spotter

Several roads closed due to high water along creeks. A nearby spotter observed 1.44 inches of rain.

HARDY COUNTY --- OLDFIELDS [39.13, -78.95], 1.1 SSW CUNNINGHAM [39.09, -78.94], 1.0 SSW MOOREFIELD MUNI ARPT [39.06, -78.96], 1.5 ESE WALNUT BOTTOM [39.09, -78.99]

	05/17/11 23:30 EST		0	Flash Flood (due to Heavy Rain)
	05/18/11 02:00 EST		0	Source: State Official

Numerous roads were closed throughout the county. Up to 3 feet of water was reported on roadways. In addition, numerous trees were down across the county due to the saturated soil.

GRANT COUNTY --- 1.5 SSW MEDLEY [39.16, -79.08], 0.6 SE MEDLEY [39.17, -79.06], 0.9 SE MEDLEY [39.17, -79.06], 1.6 NNE FORMAN [39.15, -79.07]

	05/18/11 03:00 EST		0	Flood (due to Heavy Rain)
	05/18/11 10:00 EST		0	Source: State Official

Patterson Creek was flowing across the roadway.

GRANT COUNTY --- 1.8 SW MARTIN [39.20, -79.10], 1.6 WNW MEDLEY [39.19, -79.10], 1.6 NNE FALLS [39.19, -79.10], 1.4 SW MARTIN [39.21, -79.10]

	05/18/11 03:00 EST		0	Flood (due to Heavy Rain)
	05/18/11 10:00 EST		0	Source: State Official

Six inches of water was flowing over Knobley Road.

MINERAL COUNTY --- FT ASHBY [39.50, -78.77], 0.9 SE PATTERSON CREEK [39.56, -78.72], 0.5 WNW PATTERSON CREEK [39.57, -78.74], 1.3 WNW FT ASHBY [39.51, -78.79]

	05/18/11 07:00 EST		0	Flood (due to Heavy Rain)
	05/18/11 14:00 EST		0	Source: Public

Patterson Creek was out of its banks from Fort Ashby to Spring Gap, forcing the closure of several roads. A nearby rain gage measured 3.26 inches.

HAMPSHIRE COUNTY --- 0.5 E CAPON BRIDGE [39.30, -78.44], 0.9 ESE CAPON BRIDGE [39.30, -78.43], 0.9 E CAPON BRIDGE [39.30, -78.43], 0.5 ENE CAPON BRIDGE [39.30, -78.44]

	05/18/11 18:00 EST		0	Flood (due to Heavy Rain)
	05/18/11 23:45 EST		0	Source: Trained Spotter

Flooding around Capon Bridge, WV forced closure of several roads, including Route 50, Cold Spring Road, and River Road. A nearby rain gage measured 1.95 inches.

A nearly stationary area of upper level low pressure system over the Ohio Valley provided plenty of lift to combine with an usually strong and moist southeasterly low-level flow to produce bands of moderate to heavy showers across the mid-Atlantic. With saturated ground in place and the training nature of the widespread showers, flood and flash flooding was the result across portions of eastern West Virginia. Rainfall amounts of over 3 inches were common and included a measurement of 3.80 inches from near Kline Gap, WV.

MINERAL COUNTY --- 1.8 NNE LAUREL DALE [39.32, -79.09]

	05/26/11 14:39 EST		0	Thunderstorm Wind (EG 52 kt)
	05/26/11 14:39 EST		0	Source: Unknown

A tree was down near Sulphur City.

MINERAL COUNTY --- 1.5 E MARYLAND JCT [39.63, -78.74]

	05/26/11 15:18 EST		0	Hail (1.00 in)
	05/26/11 15:18 EST		0	Source: Trained Spotter

Quarter sized hail was reported near Ridgeley.

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MINERAL COUNTY --- 1.5 NE SHORT GAP [39.56, -78.80]				
	05/26/11 15:20 EST		0	Hail (1.50 in)
	05/26/11 15:20 EST		0	Source: Trained Spotter
Hail up to the size of ping pong balls was reported near Short Gap.				
MINERAL COUNTY --- 0.6 SE SHORT GAP [39.54, -78.81]				
	05/26/11 15:32 EST		0	Hail (1.00 in)
	05/26/11 15:32 EST		0	Source: Public
Quarter sized hail was reported at Short Gap.				
MINERAL COUNTY --- 0.6 SE SHORT GAP [39.54, -78.81]				
	05/26/11 15:33 EST		0	Hail (1.00 in)
	05/26/11 15:33 EST		0	Source: Public
Quarter sized hail was reported in Short Gap.				
MORGAN COUNTY --- 1.0 N ORLEANS XRDS [39.63, -78.38]				
	05/26/11 15:53 EST		1K	Thunderstorm Wind (EG 56 kt)
	05/26/11 15:53 EST		0	Source: Fire Department/Rescue
A large tree fell across Orleans Road.				
HARDY COUNTY --- 3.3 SW HOLLY HILL CHURCH [38.94, -78.89]				
	05/26/11 16:31 EST		0	Hail (1.00 in)
	05/26/11 16:31 EST		0	Source: Public
Quarter sized hail was reported along Dove Hollow Road.				
HARDY COUNTY --- 0.4 SE WARDENSVILLE [39.08, -78.59]				
	05/26/11 17:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/11 17:10 EST		0	Source: Fire Department/Rescue
A tree was down along wires behind a Convenience Store in Wardensville.				
BERKELEY COUNTY --- 0.8 ESE GERRARDSTOWN [39.37, -78.09]				
	05/26/11 17:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/11 17:30 EST		0	Source: Trained Spotter
A maple tree six inches in diameter was snapped.				
BERKELEY COUNTY --- 0.6 SSW (MRB)SHEPHERD FLD MR [39.39, -77.98]				
	05/26/11 17:40 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	05/26/11 17:40 EST		0	Source: County Official
A large limb was down along Tablers Station Road.				
PENDLETON COUNTY --- 3.0 ESE DAHMER [38.57, -79.28]				
	05/26/11 17:42 EST		0	Hail (1.00 in)
	05/26/11 17:42 EST		0	Source: COOP Observer
Quarter sized hail was reported near Brandywine.				
BERKELEY COUNTY --- 0.3 ENE TABLERS [39.40, -78.02]				
	05/26/11 17:47 EST		0	Hail (1.25 in)
	05/26/11 17:47 EST		0	Source: Public
Hail up to the size of half dollars was reported along Old Table Station Road.				
BERKELEY COUNTY --- 0.7 ESE TABLERS [39.40, -78.01]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/26/11 17:47 EST		0	Hail (1.00 in)
	05/26/11 17:47 EST		0	Source: Public

Quarter sized hail was reported along Tabler Station Road.

JEFFERSON COUNTY --- 0.6 NNW KEARNEYSVILLE [39.39, -77.89]

	05/26/11 17:57 EST		0	Hail (1.00 in)
	05/26/11 17:57 EST		0	Source: Trained Spotter

Quarter sized hail was reported in Kearneysville.

GRANT COUNTY --- 1.8 SSW LANDES [38.88, -79.21]

	05/26/11 22:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/11 22:10 EST		0	Source: Trained Spotter

A tree was down across a portion off US 220 near the Pendleton County Line.

HARDY COUNTY --- 2.3 NNE OLDFIELDS [39.16, -78.94]

	05/26/11 22:49 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/26/11 22:49 EST		0	Source: Fire Department/Rescue

Several trees were down along Route 28 north of Old Fields.

HARDY COUNTY --- 4.1 SSW LOST CITY [38.88, -78.87]

	05/26/11 23:10 EST		5K	Thunderstorm Wind (EG 56 kt)
	05/26/11 23:10 EST		0	Source: Fire Department/Rescue

Several trees were down around Mathias.

A southerly flow between upper-level low pressure over the Midwest and upper-level high pressure over the Atlantic Ocean produced a warm and moist airmass over the region. A surface trough also remained overhead during this time. The instability from the airmass along with the surface trough triggered showers and thunderstorms. High amounts of instability along with strong winds aloft caused thunderstorms to become severe with large hail being the primary threat.

MINERAL COUNTY --- 0.7 N KEYSER [39.44, -78.98], 1.1 N KEYSER [39.45, -78.98], 0.6 NNE LIMESTONE [39.44, -78.97], 0.1 N KEYSER [39.43, -78.98]

	05/26/11 16:04 EST		0	Flash Flood (due to Heavy Rain)
	05/26/11 17:30 EST		0	Source: State Official

Numerous roads were closed due to flooding around Keyser. A nearby spotter measured 2.36 inches of rain.

Thunderstorms developed ahead of a stationary front and trained across the same areas of eastern West Virginia during the afternoon and early evening. Rainfall of over 2 inches produced flash flooding in Mineral County.

MINERAL COUNTY --- 1.7 ENE SHORT GAP [39.56, -78.79], 1.4 SE SHORT GAP [39.54, -78.80], 0.6 SSW SHORT GAP [39.54, -78.82], 0.8 NE SHORT GAP [39.56, -78.81]

	05/27/11 16:55 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: State Official

A home was flooded in a residential area of Short Gap.

MINERAL COUNTY --- 0.7 N FT ASHBY [39.51, -78.77], 1.0 S PATTERSON CREEK [39.56, -78.73], 1.4 SW PATTERSON CREEK [39.55, -78.75], 0.5 NW FT ASHBY [39.51, -78.78]

	05/27/11 17:00 EST		0	Flash Flood (due to Heavy Rain)
	05/27/11 18:30 EST		0	Source: State Official

Mudslides and rockslides were reported along Route 28.

A nearly stationary front drifted east into the Potomac Highlands during the afternoon. Thunderstorms trained over the same area for several hours across locations that had saturated ground. Flash flooding resulted in Mineral County.

(WV-Z502) EASTERN GRANT

	05/31/11 01:35 EST		0	Dense Fog
	05/31/11 07:35 EST		0	

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Mainly clear skies along with light winds caused areas of dense fog to develop across eastern West Virginia early on the 31st.