

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.2 SSW (DCA)REAGAN NATIONAL AIRPORT [38.84, -77.05]				
	06/01/11 17:53 EST	0		Marine Hail (1.00 in)
	06/01/11 17:53 EST	0		Source: NWS Employee
Quarter sized hail was reported near Reagan National Airport.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]				
	06/01/11 17:54 EST	0		Marine Hail (0.75 in)
	06/01/11 18:02 EST	0		Source: ASOS
Penny sized hail was reported at the Reagan National Airport.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 S ANNAPOLIS [38.98, -76.48]				
	06/01/11 18:10 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/01/11 18:10 EST	0		Source: Buoy
A wind gust of 34 knots was reported at the Annapolis Buoy.				
A cold front passed through the waters on the first. Warm and humid conditions ahead of the front allowed moderate amounts of instability to develop. The instability combined with forcing from the front to trigger showers and thunderstorms. Some thunderstorms were able to produce gusty winds and large hail.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	06/09/11 19:24 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/09/11 19:24 EST	0		Source: Buoy
A wind gust of 34 knots was measured at Key Bridge.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.3 S MARYLAND SCIENCE CENTER [39.28, -76.61]				
	06/09/11 19:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 19:30 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at the Federal Hill Elementary School.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.8 ENE BALTIMORE CITY [39.29, -76.58]				
	06/09/11 19:34 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 19:34 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at the Hampstead Elementary School.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.5 SE BALTIMORE CITY [39.24, -76.52]				
	06/09/11 19:40 EST	0		Marine Thunderstorm Wind (EG 52 kt)
	06/09/11 19:40 EST	0		Source: Trained Spotter
Wind gusts were estimated to be around 60 mph.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.4 SW MARTIN STATE AIRPORT [39.33, -76.41]				
	06/09/11 19:50 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	06/09/11 19:58 EST	0		Source: Mesonet
Wind gusts up to 42 knots were measured at Miller Island.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]				
	06/09/11 19:54 EST	0		Marine Thunderstorm Wind (MG 56 kt)
	06/09/11 20:06 EST	0		Source: Mesonet
Wind gust up to 56 knots were reported at Tolchester Beach.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 S ANNAPOLIS [38.98, -76.48]				

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	06/09/11 22:30 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 22:30 EST		0	Source: Buoy

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

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 1.5 WNW THOMAS POINT LIGHT [38.91, -76.47]				
	06/09/11 22:30 EST		0	Marine Hail (0.88 in)
	06/09/11 22:30 EST		0	Source: Public

Nickel sized hail was reported near Highland Beach.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SE TOLLY POINT [38.94, -76.44]				
	06/09/11 22:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 22:40 EST		0	Source: Mesonet

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

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	06/09/11 22:50 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/09/11 23:05 EST		0	Source: ASOS

A wind gust of 36 knots was reported at Quantico.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 S STEVENSVILLE [38.98, -76.33]				
	06/09/11 22:59 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	06/10/11 00:31 EST		0	Source: AWOS

Wind gusts up to 40 knots were reported at Stevensville.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	06/09/11 23:00 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	06/09/11 23:00 EST		0	Source: Buoy

A wind gust of 44 knots was reported at Thomas Point Lighthouse.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 4.0 WNW STEVENSVILLE [39.00, -76.40]				
	06/09/11 23:01 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 23:01 EST		0	Source: Mesonet

Wind gusts in excess of 30 knots were reported at Sandy Point.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SE TOLLY POINT [38.94, -76.44]				
	06/09/11 23:06 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	06/09/11 23:06 EST		0	Source: Mesonet

A wind gust of 38 knots was reported at Tolly Point.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 N CUCKOLD CREEK [38.31, -76.93]				
	06/09/11 23:31 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/09/11 23:31 EST		0	Source: Mesonet

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

Plenty of moisture continued to rotate around high pressure over the southeastern Conus. Hot conditions combined with the moisture to cause moderate amounts of instability to develop. The instability combined with forcing from a surface trough to trigger showers and thunderstorms during the afternoon and evening hours. The moderate instability caused some thunderstorms to produce gusty winds and large hail.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	06/10/11 00:00 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	06/10/11 00:00 EST		0	Source: Buoy

A wind gust of 38 knots was reported at Thomas Point Lighthouse.

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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 --- 0.3 S ANNAPOLIS [38.98, -76.48]				
	06/10/11 01:10 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	06/10/11 01:30 EST	0		Source: Buoy
Wind gusts up to 39 knots were reported at the Annapolis Buoy.				
A surface trough combined with moderate amounts of instability to trigger showers and thunderstorms over the waters. A few thunderstorms were able to produce gusty winds.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	06/11/11 15:00 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 15:05 EST	0		Source: ASOS
Wind gusts in excess of 30 knots were reported at Quantico.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.5 E BABAR POINT [38.31, -77.02]				
	06/11/11 15:25 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	06/11/11 15:30 EST	0		Source: Mesonet
Wind gusts up to 42 knots were reported at Baber Point.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	06/11/11 15:40 EST	0		Marine Thunderstorm Wind (MG 45 kt)
	06/11/11 16:05 EST	0		Source: Mesonet
Wind gusts up to 45 knots were reported at Cobb Point.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.1 NNE MONROE CREEK [38.23, -76.95]				
	06/11/11 15:40 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	06/11/11 15:50 EST	0		Source: Mesonet
Wind gusts up to 38 knots were reported at Monroe Creek.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.6 NW CUCKOLD CREEK [38.32, -76.94]				
	06/11/11 15:40 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/11/11 15:50 EST	0		Source: Mesonet
A wind gust of 36 knots was measured at Cuckold Creek.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 15.3 WNW PINEY POINT [38.23, -76.78]				
	06/11/11 15:55 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 15:55 EST	0		Source: Trained Spotter
Wind gusts in excess of 30 knots were reported near Cobb Island.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]				
	06/11/11 16:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 16:30 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at Piney Point.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 1.4 ESE PATUXENT RIVER ASOS [38.29, -76.39]				
	06/11/11 16:34 EST	0		Marine Thunderstorm Wind (MG 43 kt)
	06/11/11 16:34 EST	0		Source: ASOS
A wind gust of 43 knots was measured at Patuxent River.				
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.8 ENE CHESAPEAKE BIOLOGICAL LABORATORY [38.32, -76.43]				
	06/11/11 16:36 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 16:36 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported near Solomons Island.				

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TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.8 NE LEWISSETTA [38.01, -76.46]				
	06/11/11 16:36 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	06/11/11 16:36 EST		0	Source: Buoy
A wind gust of 46 knots was measured near Lewisetta.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	06/11/11 16:40 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	06/11/11 16:55 EST		0	Source: Mesonet
Wind gusts up to 42 knots were reported at Point Lookout.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34]				
	06/11/11 16:50 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	06/11/11 17:00 EST		0	Source: Buoy
Wind gusts up to 39 knots were reported at the Potomac Buoy.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]				
	06/11/11 16:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 16:54 EST		0	Source: Buoy
A wind gust in excess of 30 knots was reported at Cove Point.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSE LOWER HOOPERS ISLAND [38.26, -76.18]				
	06/11/11 17:09 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/11/11 17:09 EST		0	Source: Mesonet
A wind gust of 35 knots was reported at Lower Hoopers Island.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	06/11/11 17:09 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	06/11/11 17:14 EST		0	Source: Mesonet
A wind gust of 38 knots was reported at Bishops Head.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	06/11/11 17:12 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	06/11/11 17:18 EST		0	Source: Mesonet
A wind gust of 45 knots was measured at Bishops Head.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	06/11/11 17:22 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	06/11/11 17:22 EST		0	Source: Mesonet
A wind gust of 45 knots was measured at Smith Island.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	06/11/11 17:34 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/11/11 17:34 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Raccoon Point.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	06/11/11 17:38 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	06/11/11 17:44 EST		0	Source: Mesonet
Wind gusts up to 41 knots were reported at Crisfield.				

A trough of low pressure combined with plenty of low-level moisture to produce moderate amounts of instability on the eleventh. The instability combined with a surface trough to trigger showers and thunderstorms. Some thunderstorms produced gusty winds over

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
the waters.				
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PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.2 SSW CHESAPEAKE BIOLOGICAL LABORATORY [38.32, -76.45]				
	06/12/11 14:30 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	06/12/11 14:30 EST		0	Source: Mesonet
A wind gust of 37 knots was reported at Solomons Island.				
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CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 1.4 ESE PATUXENT RIVER ASOS [38.29, -76.39]				
	06/12/11 14:38 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/12/11 14:38 EST		0	Source: ASOS
A wind gust of 35 knots was measured near Patuxent River.				
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CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 3.4 W PHILLIPS ARMY AIRFIELD [39.47, -76.23]				
	06/12/11 15:50 EST		0	Marine Hail (0.75 in)
	06/12/11 15:50 EST		0	Source: Public
Penny sized hail was reported near Phillips Army Field.				
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PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 1.1 SE BALTIMORE CITY [39.27, -76.58]				
	06/12/11 16:12 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/12/11 16:24 EST		0	Source: Buoy
A wind gust of 34 knots was reported at the Baltimore Buoy.				
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PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.3 S BALTIMORE CITY [39.28, -76.59]				
	06/12/11 16:14 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/12/11 16:34 EST		0	Source: Mesonet
A wind gust of 35 knots was reported at Tide Point.				
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PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.8 ENE BALTIMORE CITY [39.29, -76.58]				
	06/12/11 16:19 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/12/11 16:19 EST		0	Source: Mesonet
A wind gust of 35 knots was measured at the Hampstead Elementary School.				
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CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37]				
	06/12/11 16:22 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/12/11 16:22 EST		0	Source: Mesonet
A wind gust of 34 knots was reported at Miller Island.				
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PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	06/12/11 16:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/12/11 16:36 EST		0	Source: Buoy
A wind gust in excess of 30 knots was reported at the Francis Scott Key Bridge.				
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TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 9.1 NNE QUANTICO [38.61, -77.22]				
	06/12/11 16:38 EST		0	Marine Thunderstorm Wind (EG 56 kt)
	06/12/11 16:38 EST		0	Source: Trained Spotter
A wind gust was estimated to be around 65 mph based off of thunderstorm wind damage near Indian Head.				
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TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 10.1 NE QUANTICO [38.60, -77.18]				
	06/12/11 16:40 EST		0	Marine Thunderstorm Wind (EG 56 kt)
	06/12/11 16:40 EST		0	Source: Trained Spotter
A wind gust was estimated to be around 65 mph based off of thunderstorm wind damage near Indian Head.				

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TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 10.6 NE QUANTICO [38.61, -77.17]				
	06/12/11 16:40 EST	0		Marine Thunderstorm Wind (EG 56 kt)
	06/12/11 16:40 EST	0		Source: Trained Spotter
A wind gust was estimated to be around 65 mph based off of thunderstorm wind damage near Indian Head.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SE TOLLY POINT [38.94, -76.44]				
	06/12/11 17:07 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/12/11 17:17 EST	0		Source: Mesonet
A wind gust of 37 knots was reported at Tolly Point.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 S ANNAPOLIS [38.98, -76.48]				
	06/12/11 17:10 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/12/11 17:10 EST	0		Source: Buoy
A wind gust of 37 knots was reported at the Annapolis Buoy.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.7 SSW THOMAS POINT LIGHT [38.73, -76.54]				
	06/12/11 17:35 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/12/11 17:35 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Herring Bay.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.5 E BABAR POINT [38.31, -77.02]				
	06/12/11 17:35 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/12/11 17:35 EST	0		Source: Mesonet
A wind gust of 34 knots was measured near Babar Point.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.1 NNE MONROE CREEK [38.23, -76.95]				
	06/12/11 17:40 EST	0		Marine Thunderstorm Wind (MG 50 kt)
	06/12/11 17:55 EST	0		Source: Mesonet
Wind gusts up to 50 knots were measured at Monroe Creek.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	06/12/11 18:00 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	06/12/11 18:00 EST	0		Source: Buoy
A wind gust of 36 knots was reported at the Thomas Point Lighthouse.				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 0.4 ENE CAMBRIDGE [38.57, -76.06]				
	06/12/11 18:06 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/12/11 18:06 EST	0		Source: Buoy
A wind gust of 34 knots was reported near Cambridge.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 1.6 NNE CHESAPEAKE BEACH [38.71, -76.53]				
	06/12/11 18:15 EST	0		Marine Thunderstorm Wind (EG 61 kt)
	06/12/11 18:15 EST	0		Source: Unknown
Wind gusts around 70 mph were estimated near North Point due to thunderstorm wind damage.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 2.4 NNE CHESAPEAKE BEACH [38.72, -76.53]				
	06/12/11 18:15 EST	0		Marine Thunderstorm Wind (EG 56 kt)
	06/12/11 18:15 EST	0		Source: Unknown
Wind gusts were estimated to be around 65 mph near North Beach due to thunderstorm wind damage.				

A cold front combined with moderate instability to trigger showers and thunderstorms on the twelfth. Stronger winds aloft due to an upper-level low over New England caused thunderstorms to become well organized. Thunderstorms were able to produce gusty winds

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over the waters.				
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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]	06/16/11 20:24 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/16/11 20:24 EST		0	Source: Buoy
A wind gust in excess of 30 knots was reported at Cove Point.				
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PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.2 SSW CHESAPEAKE BIOLOGICAL LABORATORY [38.32, -76.45]	06/16/11 21:36 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	06/16/11 22:00 EST		0	Source: Buoy
Wind gusts up to 49 knots were reported at Solomons Island.				
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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 7.2 SSW COVE POINT [38.33, -76.42]	06/16/11 21:58 EST		0	Marine Thunderstorm Wind (EG 52 kt)
	06/16/11 21:58 EST		0	Source: Unknown
Wind gusts around 60 mph were estimated near Drum Point based on thunderstorm wind damage nearby.				
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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.1 S COVE POINT [38.34, -76.40]	06/16/11 21:59 EST		0	Marine Thunderstorm Wind (EG 52 kt)
	06/16/11 21:59 EST		0	Source: Unknown
Wind gusts around 60 mph were estimated near Drum Point based on thunderstorm wind damage nearby.				
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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 5.0 S COVE POINT [38.36, -76.40]	06/16/11 22:00 EST		0	Marine Thunderstorm Wind (EG 52 kt)
	06/16/11 22:00 EST		0	Source: Unknown
Wind gusts around 60 mph were estimated near Drum Point based on thunderstorm wind damage nearby.				
A warm front passed through the waters during the 16th. Warm and humid air behind the boundary caused showers and thunderstorms to develop. Some thunderstorms were able to produce gusty winds.				
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CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 S ANNAPOLIS [38.98, -76.48]	06/17/11 00:00 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	06/17/11 00:00 EST		0	Source: Buoy
A wind gust of 37 knots was measured at the Annapolis Buoy.				
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CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 S ANNAPOLIS [38.98, -76.48]	06/17/11 00:30 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/17/11 00:30 EST		0	Source: Buoy
A wind gust of 35 knots was measured at the Annapolis Buoy.				
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CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.2 SSW THOMAS POINT LIGHT [38.73, -76.52]	06/17/11 17:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	06/17/11 17:50 EST		0	Source: Mesonet
Wind gusts in excess of 30 knots were measured near Herring Bay.				
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TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 3.8 S WEST POTOMAC HIGH SCHOOL [38.73, -77.07]	06/17/11 18:15 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	06/17/11 18:25 EST		0	Source: Buoy
Wind gusts up to 49 knots ere measured at the Upper Potomac Buoy.				
A return flow around high pressure pumped in plenty of warm and moist air over the region. Colder air aloft associated with an upper-level trough combined with the warm and moist air at the surface to develop moderate amounts of instability. A surface trough acted as the lifting mechanism for showers and thunderstorms to develop during the afternoon and evening hours. Thunderstorms were able to produce gusty winds.				

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TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.5 E BABAR POINT [38.31, -77.02]				
	06/28/11 17:45 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/28/11 17:55 EST	0		Source: Mesonet
Wind gusts up to 37 knots were reported near Baber Point.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99]				
	06/28/11 18:00 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/28/11 18:02 EST	0		Source: Mesonet
Wind gusts up to 40 knots were reported at the Potomac Lighthouse.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	06/28/11 18:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/28/11 18:15 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was measured Cobb Point.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	06/28/11 20:05 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/28/11 20:20 EST	0		Source: Mesonet
Wind gusts in excess of 30 knots were measured at Cobb Point.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	06/28/11 21:34 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	06/28/11 21:34 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was measured at Bishops Head.				
A cold front passed through the region on the twenty-eighth. The cold front combined with moderate instability to trigger showers and thunderstorms. Some thunderstorms were able to produce gusty winds over the waters.				

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

06/01/11 12:52 EST	0	Heat
06/01/11 14:52 EST	0	

A clockwise flow around high pressure off the Mid-Atlantic Coast produced hot and humid conditions on the first. Heat indices up to 105 degrees were reported at Washington D.C. during the afternoon hours.

(DC-Z001) DISTRICT OF COLUMBIA

06/08/11 12:52 EST	0	Heat
06/08/11 15:52 EST	0	

Upper-level high pressure remained over the region while surface high pressure was located off the East Coast. Subsidence associated with the upper-level high caused hot conditions during the 8th while a southerly flow around the surface high caused high humidity. The combination of hot and humid conditions caused heat indices to approach 105 degrees during the afternoon hours.

(DC-Z001) DISTRICT OF COLUMBIA

06/09/11 11:52 EST	0	Heat
06/09/11 15:52 EST	0	

A southerly flow around high pressure over the western Atlantic produced hot and humid conditions during the late morning and afternoon hours of the 9th. Heat indices up to 105 degrees were reported at Washington D.C. during this time.

MARYLAND, Central

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MD-Z007) HARFORD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES				
	06/01/11 10:54 EST		0	Heat
	06/01/11 15:54 EST		0	

A clockwise flow around high pressure off the Mid-Atlantic Coast produced hot and humid conditions on the first. Heat indices up to 105 degrees were reported across portions eastern Maryland during the afternoon hours.

PRINCE GEORGE'S COUNTY --- 0.2 E MITCHELLVILLE [38.92, -76.75]				
	06/01/11 16:48 EST		0	Hail (1.25 in)
	06/01/11 16:48 EST		0	Source: Trained Spotter

Half dollar sized hail was reported near Woodmore.

PRINCE GEORGE'S COUNTY --- 0.8 NNW LANDOVER HILLS [38.96, -76.91]				
	06/01/11 17:30 EST		0	Hail (1.00 in)
	06/01/11 17:30 EST		0	Source: Trained Spotter

Quarter sized hail was reported at the intersection of Routes 295 and 410.

PRINCE GEORGE'S COUNTY --- 0.6 WNW UPPER MARLBORO [38.82, -76.76]				
	06/01/11 17:58 EST		0	Hail (1.00 in)
	06/01/11 17:58 EST		0	Source: Broadcast Media

Quarter sized hail was reported at the Hunters Glen Apartments.

PRINCE GEORGE'S COUNTY --- 0.5 WSW UPPER MARLBORO [38.82, -76.76]				
	06/01/11 18:30 EST		0	Hail (1.75 in)
	06/01/11 18:30 EST		0	Source: Public

Golf ball sized hail was reported along Rectory Lane.

A cold front passed through the region on the first. Warm and humid conditions ahead of the front allowed moderate amounts of instability to develop. The instability combined with forcing from the front to trigger showers and thunderstorms. Some thunderstorms were able to produce large hail.

(MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL				
	06/08/11 13:54 EST		0	Heat
	06/08/11 16:55 EST		0	

Upper-level high pressure remained over the region while surface high pressure was located off the East Coast. Subsidence associated with the upper-level high caused hot conditions during the 8th while a southerly flow around the surface high caused high humidity. The combination of hot and humid conditions caused heat indices to approach 105 degrees during the afternoon hours.

(MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES				
	06/09/11 10:54 EST		0	Heat
	06/09/11 15:54 EST		0	

A southerly flow around high pressure over the western Atlantic produced hot and humid conditions during the late morning and afternoon hours of the 9th. Heat indices around 105 degrees were reported across portions of eastern Maryland during this time.

FREDERICK COUNTY --- 0.9 ENE WALKERSVILLE [39.49, -77.34]				
	06/09/11 18:33 EST		0	Hail (1.25 in)
	06/09/11 18:33 EST		0	Source: Public

Half dollar sized hail was reported near Walkersville.

CARROLL COUNTY --- 0.3 SE SHERVETTES CORNER [39.40, -76.90]				
	06/09/11 19:15 EST		0	Hail (1.00 in)
	06/09/11 19:15 EST		0	Source: Public

Quarter sized hail was reported near Oakland.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HOWARD COUNTY --- 0.7 SSE ELK RIDGE [39.21, -76.72]				
	06/09/11 19:15 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/09/11 19:15 EST		0	Source: Public
Small trees were down along Old Washington Road and Augustine Avenue.				
CARROLL COUNTY --- 0.3 SE SHERVETTES CORNER [39.40, -76.90]				
	06/09/11 19:16 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/09/11 19:16 EST		0	Source: Public
A few large limbs were down near Oakland.				
ANNE ARUNDEL COUNTY --- 2.1 SW PIONEER CITY [39.11, -76.74]				
	06/09/11 19:25 EST		0.50K	Thunderstorm Wind (EG 50 kt)
	06/09/11 19:25 EST		0	Source: Amateur Radio
A small tree was down on Highland Road.				
ANNE ARUNDEL COUNTY --- 0.6 ESE BROOKLYN PARK [39.22, -76.61]				
	06/09/11 19:28 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/09/11 19:28 EST		0	Source: Trained Spotter
Several trees and large limbs were down between Walton and Church Streets.				
ANNE ARUNDEL COUNTY --- 0.7 SW RAYNOR HGTS [39.21, -76.68]				
	06/09/11 19:28 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/09/11 19:28 EST		0	Source: Fire Department/Rescue
Trees were down along the intersection of Nursery Road and Route 295.				
BALTIMORE CITY (C) COUNTY --- 0.3 ENE GOVANS [39.37, -76.60]				
	06/09/11 19:36 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/09/11 19:36 EST		0	Source: Broadcast Media
Large tree limbs were down along Walker Avenue.				
BALTIMORE CITY (C) COUNTY --- 0.6 NNE HAMPDEN [39.36, -76.62]				
	06/09/11 19:36 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/09/11 19:36 EST		0	Source: Newspaper
Large trees were down on North Charles Street.				
BALTIMORE CITY (C) COUNTY --- 1.0 ENE HAMPDEN [39.36, -76.61]				
	06/09/11 19:36 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/09/11 19:36 EST		0	Source: Trained Spotter
Three limbs and a tree were blown over near Park Heights.				
BALTIMORE COUNTY --- 1.2 SSE DUNDALK [39.25, -76.51]				
	06/09/11 19:40 EST		0	Thunderstorm Wind (MG 52 kt)
	06/09/11 19:40 EST		0	Source: Trained Spotter
A wind gust of 60 mph was measured near Dundalk.				
ANNE ARUNDEL COUNTY --- 0.9 NE SELBY BEACH [38.91, -76.51]				
	06/09/11 22:45 EST		0	Thunderstorm Wind (MG 54 kt)
	06/09/11 22:45 EST		0	Source: Mesonet
A wind gust of 62 mph was measured near South River.				

Plenty of moisture continued to rotate around high pressure over the southeastern Conus. Hot conditions combined with the moisture to cause moderate amounts of instability to develop. The instability combined with forcing from a surface trough to trigger showers and

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
thunderstorms during the afternoon and evening hours. The moderate instability caused some thunderstorms to produce damaging wind gusts and large hail.				
<hr/>				
ST. MARY'S COUNTY --- 0.3 SW LEXINGTON PARK [38.27, -76.45]	06/11/11 16:35 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/11/11 16:35 EST		0	Source: Trained Spotter
Several trees were down in the Lexington Park area.				
<hr/>				
CARROLL COUNTY --- 1.6 W MAPLE GROVE [39.65, -76.90]	06/11/11 19:28 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/11/11 19:28 EST		0	Source: Emergency Manager
A tree was down along Old Fort Schoolhouse Road.				
<hr/>				
BALTIMORE COUNTY --- 2.1 WNW BECKLEYSVILLE [39.65, -76.80]	06/11/11 19:46 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/11/11 19:46 EST		0	Source: Emergency Manager
A tree was down along the intersection of Falls Road and Beckleysville Road.				
<hr/>				
BALTIMORE COUNTY --- 1.3 NNW WHITEHOUSE [39.62, -76.79]	06/11/11 19:57 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/11/11 19:57 EST		0	Source: Emergency Manager
A tree was down along Gunpowder Road near Beckleysville Road.				
A trough of low pressure combined with plenty of low-level moisture to produce moderate amounts of instability on the eleventh. The instability combined with a surface trough to trigger showers and thunderstorms. Some thunderstorms produced damaging winds and large hail.				
<hr/>				
WASHINGTON COUNTY --- 0.4 NW BURTNER [39.53, -77.68]	06/12/11 13:53 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/12/11 13:53 EST		0	Source: Fire Department/Rescue
A large tree was down along power lines at Mill Point Road.				
<hr/>				
CALVERT COUNTY --- 0.4 S APPEAL [38.36, -76.45]	06/12/11 14:30 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/12/11 14:30 EST		0	Source: Fire Department/Rescue
A tree was blocking the intersection of HG Trueman Road and Southern Connector Boulevard in Lusby.				
<hr/>				
HARFORD COUNTY --- 0.4 NE STREET [39.67, -76.38], 1.5 S STREET [39.65, -76.38]	06/12/11 15:07 EST		10K	Tornado (EF0, L: 1.73 mi , W: 75 yd)
	06/12/11 15:10 EST		0	Source: NWS Storm Survey
Trees were uprooted and snapped along its path from Street Road to Miller Road.				
<hr/>				
HARFORD COUNTY --- 0.7 N STREET [39.68, -76.38]	06/12/11 15:18 EST		0	Hail (1.00 in)
	06/12/11 15:18 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Pylesville.				
<hr/>				
HARFORD COUNTY --- 2.0 ESE ROCKS [39.62, -76.39]	06/12/11 15:22 EST		0	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:22 EST		0	Source: Unknown
Trees were down near Rocks.				
<hr/>				
HARFORD COUNTY --- 0.5 WSW SCARBORO [39.63, -76.29]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/12/11 15:27 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:27 EST		0	Source: Fire Department/Rescue
Trees were down near Sandy Hook Road.				
<hr/>				
HARFORD COUNTY --- 0.6 W GIBSON MANOR [39.60, -76.34]				
	06/12/11 15:27 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:27 EST		0	Source: Newspaper
MD-RT 43 was closed near Gibson Road due to downed trees.				
<hr/>				
HARFORD COUNTY --- 1.3 NE GIBSON MANOR [39.61, -76.32]				
	06/12/11 15:27 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:27 EST		0	Source: Fire Department/Rescue
Trees were down near Sandy Hook Road and Walters Mill Road.				
<hr/>				
HARFORD COUNTY --- 2.0 N FOREST HILL [39.61, -76.38]				
	06/12/11 15:27 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:27 EST		0	Source: Fire Department/Rescue
Vehicles were blocked between two downed trees near the 2900 Block of Grier Nursery Road.				
<hr/>				
HARFORD COUNTY --- 0.4 NW BELCAMP [39.47, -76.23], 0.2 WNW BELCAMP [39.47, -76.23]				
	06/12/11 15:50 EST		20K	Tornado (EF0, L: 0.21 mi , W: 50 yd)
	06/12/11 15:50 EST		0	Source: NWS Storm Survey
Significant tree damage surrounded a historic property near Riverside Parkway and Pulaski Parkway. Nearly three dozen trees were either blown down or topped on this property. Tree debris carried from the property littered the adjoining railroad tracks that parallel Pulaski Highway. An eyewitness observed large tree limbs blowing horizontally across Pulaski Highway.				
<hr/>				
BALTIMORE CITY (C) COUNTY --- 0.9 SE WOODBERRY [39.34, -76.66]				
	06/12/11 16:03 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/12/11 16:03 EST		0	Source: Fire Department/Rescue
Multiple trees were down in northern parts of Baltimore.				
<hr/>				
BALTIMORE CITY (C) COUNTY --- 0.5 ENE CANTON [39.28, -76.57]				
	06/12/11 16:12 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/12/11 16:12 EST		0	Source: Fire Department/Rescue
Trees were down in the eastern parts of Baltimore.				
<hr/>				
CHARLES COUNTY --- 0.5 W INDIAN HEAD [38.60, -77.18]				
	06/12/11 16:38 EST		15K	Thunderstorm Wind (EG 56 kt)
	06/12/11 16:38 EST		0	Source: Public
Multiple large trees were down near Indian Head. Trees also fell onto power lines knocking out power across the area and closing roads.				
<hr/>				
CHARLES COUNTY --- 0.3 SSE INDIAN HEAD [38.60, -77.17]				
	06/12/11 16:40 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/12/11 16:40 EST		0	Source: Trained Spotter
A trellis was destroyed and a tree was down near Indian Head.				
<hr/>				
CHARLES COUNTY --- 0.4 E INDIAN HEAD [38.60, -77.16]				
	06/12/11 16:40 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/12/11 16:40 EST		0	Source: Public
Multiple trees were down around Indian Head.				
<hr/>				
CHARLES COUNTY --- 0.9 E RISON [38.55, -77.16]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/12/11 16:44 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/12/11 16:44 EST		0	Source: Fire Department/Rescue
A tree was down near Serenity Lane and Sweetman Road.				
A cold front combined with moderate instability to trigger showers and thunderstorms on the twelfth. Stronger winds aloft due to an upper-level low over New England caused thunderstorms to become well organized. Thunderstorms were able to produce damaging wind gusts along with large hail.				
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CALVERT COUNTY --- 1.0 NNE DRUM PT [38.33, -76.42]				
	06/16/11 21:58 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/16/11 21:58 EST		0	Source: Emergency Manager
Trees were down near Drum Point.				
<hr/>				
CALVERT COUNTY --- 2.0 NNE DRUM PT [38.35, -76.42]				
	06/16/11 21:59 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/16/11 21:59 EST		0	Source: Emergency Manager
Trees were down near Drum Point.				
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CALVERT COUNTY --- 1.0 WSW COVE PT [38.37, -76.42]				
	06/16/11 22:00 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/16/11 22:00 EST		0	Source: Emergency Manager
Trees were down near Cove Point.				
A warm front passed through the region during the 16th. Warm and humid air behind the boundary caused showers and thunderstorms to develop. Some thunderstorms were able to produce damaging wind gusts near the Chesapeake Bay.				
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(MD-Z014) ANNE ARUNDEL				
	06/17/11 04:24 EST		0	Coastal Flood
	06/17/11 06:33 EST		0	
An onshore flow persisted around high pressure over the Western Atlantic during the morning hours of the 17th. The onshore flow caused tidal anomalies to increase which caused water levels to reach thresholds for moderate coastal flooding at Annapolis.				
<hr/>				
FREDERICK COUNTY --- 1.6 WNW FREDERICK [39.43, -77.45]				
	06/17/11 15:30 EST		0	Hail (1.00 in)
	06/17/11 15:30 EST		0	Source: NWS Employee
Quarter sized hail was measured.				
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CALVERT COUNTY --- 0.7 E DUNKIRK [38.72, -76.66]				
	06/17/11 18:03 EST		10K	Thunderstorm Wind (EG 61 kt)
	06/17/11 18:03 EST		0	Source: Fire Department/Rescue
Multiple trees were down in the Dunkirk area.				
<hr/>				
ANNE ARUNDEL COUNTY --- 1.0 SE LYONS CREEK [38.76, -76.66]				
	06/17/11 18:05 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/17/11 18:05 EST		0	Source: Broadcast Media
Trees were down in the vicinity of MD-4 and MD-260.				
<hr/>				
CALVERT COUNTY --- 2.0 WNW CHANEY [38.76, -76.66]				
	06/17/11 18:05 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/17/11 18:05 EST		0	Source: Trained Spotter
Trees were down across MD-4 at Lyons Creek Road.				
<hr/>				
CALVERT COUNTY --- 0.3 NW CHANEYVILLE [38.68, -76.65]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/11 18:06 EST		2K	Thunderstorm Wind (EG 61 kt)
	06/17/11 18:06 EST		0	Source: NWS Employee

Trees were uprooted and snapped near Chaneyville.

CALVERT COUNTY --- 1.1 NNE DUNKIRK [38.73, -76.66]

	06/17/11 18:06 EST		10K	Thunderstorm Wind (EG 52 kt)
	06/17/11 18:06 EST		0	Source: Fire Department/Rescue

Trees were knocked onto a mobile home near Route 4 and Brickhouse Road.

CALVERT COUNTY --- 1.3 NNE DUNKIRK [38.74, -76.66]

	06/17/11 18:06 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/17/11 18:06 EST		0	Source: Fire Department/Rescue

Trees and power lines were down near Route 4 and Brickhouse Road.

CALVERT COUNTY --- 0.2 SSW OWINGS [38.72, -76.60]

	06/17/11 18:07 EST		10K	Thunderstorm Wind (EG 61 kt)
	06/17/11 18:07 EST		0	Source: Trained Spotter

Several trees were down along Route 260 from Chesapeake Beach to Dunkirk.

CALVERT COUNTY --- 0.9 WNW CHESAPEAKE BEACH [38.69, -76.54]

	06/17/11 18:12 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/17/11 18:12 EST		0	Source: Fire Department/Rescue

Multiple trees and power lines were down in the Chesapeake Beach area.

ANNE ARUNDEL COUNTY --- 2.5 E FRIENDSHIP [38.72, -76.53]

	06/17/11 18:15 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/17/11 18:15 EST		0	Source: Trained Spotter

Several trees were down along Route 261.

CALVERT COUNTY --- 0.5 NW NORTH BEACH [38.70, -76.54]

	06/17/11 18:15 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/17/11 18:15 EST		0	Source: Trained Spotter

A large tree was down near 3rd Street and Frederick Avenue.

CALVERT COUNTY --- 0.6 NW NORTH BEACH [38.70, -76.54]

	06/17/11 18:15 EST		5K	Thunderstorm Wind (EG 61 kt)
	06/17/11 18:15 EST		0	Source: Trained Spotter

Trees were down along 5th Street.

ANNE ARUNDEL COUNTY --- 2.0 ESE FAIR HAVEN [38.73, -76.54]

	06/17/11 18:16 EST		0	Thunderstorm Wind (MG 50 kt)
	06/17/11 18:16 EST		0	Source: Mesonet

A wind gust of 58 mph was measured near North Beach.

A return flow around high pressure pumped in plenty of warm and moist air over the region. Colder air aloft associated with an upper-level trough combined with the warm and moist air at the surface to develop moderate amounts of instability. A surface trough acted as the lifting mechanism for showers and thunderstorms to develop during the afternoon and evening hours. Thunderstorms were able to produce damaging wind gusts.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER				
	06/01/11 12:00 EST		0	Heat
	06/01/11 15:00 EST		0	
A clockwise flow around high pressure off the Mid-Atlantic Coast produced hot and humid conditions on the first. Heat indices up to 105 degrees were reported across portions of northern and central Virginia during the afternoon hours.				
MADISON COUNTY --- 1.4 NNW DUET [38.50, -78.28]				
	06/01/11 15:56 EST		0	Hail (1.00 in)
	06/01/11 15:56 EST		0	Source: Public
Hail up to the size of quarters was reported along Valley Road.				
STAFFORD COUNTY --- 1.1 NNW STAFFORD [38.43, -77.41]				
	06/01/11 16:38 EST		0	Hail (1.00 in)
	06/01/11 16:38 EST		0	Source: Public
Quarter sized hail was reported along Woodmont Court.				
ORANGE COUNTY --- 1.1 N LAHORE [38.22, -77.97]				
	06/01/11 17:38 EST		0	Hail (1.50 in)
	06/01/11 17:38 EST		0	Source: Trained Spotter
Ping pong ball sized hail was reported near Unionville.				
ARLINGTON COUNTY --- 1.1 S SOUTH WASHINGTON [38.85, -77.05]				
	06/01/11 17:53 EST		0	Hail (1.00 in)
	06/01/11 17:53 EST		0	Source: NWS Employee
Quarter sized hail was reported near the Reagan National Airport.				
ORANGE COUNTY --- 1.7 WSW LOCUSTGROVE [38.29, -77.85]				
	06/01/11 18:20 EST		0	Hail (1.25 in)
	06/01/11 18:20 EST		0	Source: Trained Spotter
Half dollar sized hail was reported near Locust Grove.				
SPOTSYLVANIA COUNTY --- 1.9 SE GATEWOOD [38.06, -77.65]				
	06/01/11 18:32 EST		0	Hail (1.75 in)
	06/01/11 18:32 EST		0	Source: Broadcast Media
Golf ball sized hail was reported near Partlow.				
A cold front passed through the region on the first. Warm and humid conditions ahead of the front allowed moderate amounts of instability to develop. The instability combined with forcing from the front to trigger showers and thunderstorms. Some thunderstorms were able to produce large hail.				
(VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON				
	06/08/11 12:52 EST		0	Heat
	06/08/11 17:00 EST		0	
Upper-level high pressure remained over the region while surface high pressure was located off the East Coast. Subsidence associated with the upper-level high caused hot conditions during the 8th while a southerly flow around the surface high caused high humidity. The combination of hot and humid conditions caused heat indices to approach 105 degrees during the afternoon hours.				
ROCKINGHAM COUNTY --- 0.6 NNE CLOVER HILL [38.46, -79.03]				
	06/08/11 17:45 EST		0	Hail (1.25 in)
	06/08/11 17:45 EST		0	Source: Public
Half dollar sized hail was reported at Clover Hill.				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HIGHLAND COUNTY --- 1.4 NE HEADWATERS [38.33, -79.40]				
	06/08/11 17:54 EST		0	Hail (1.00 in)
	06/08/11 17:54 EST		0	Source: Public
Quarter sized hail was reported along Upper Ford Road.				
ROCKINGHAM COUNTY --- 0.7 NW BOX CREEK [38.59, -78.91]				
	06/08/11 18:45 EST		0	Hail (1.00 in)
	06/08/11 18:45 EST		0	Source: Public
Quarter sized hail was reported near Cherry Grove.				
High pressure both at the surface and aloft slowly shifted to the east during the 8th. A return flow around the high ushered in more moisture from the south and west during this time. The increased moisture combined with hot conditions to produce moderate amounts of instability during the afternoon and evening hours. The instability triggered scattered showers and thunderstorms and a few t-storms did produce large hail across portions of central and western Virginia.				
(VA-Z052) PRINCE WILLIAM, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE				
	06/09/11 11:52 EST		0	Heat
	06/09/11 16:00 EST		0	
A southerly flow around high pressure over the western Atlantic produced hot and humid conditions during the late morning and afternoon hours of the 9th. Heat indices up to 105 degrees were reported across portions of northern and central Virginia during this time.				
ROCKINGHAM COUNTY --- 1.0 NNE SPARKLING SPGS [38.56, -78.92]				
	06/09/11 16:06 EST		0	Hail (1.00 in)
	06/09/11 16:06 EST		0	Source: Public
Quarter sized hail was reported along Frank Lane Road.				
ROCKINGHAM COUNTY --- 1.7 WNW CLOVER HILL [38.46, -79.06]				
	06/09/11 16:07 EST		0	Hail (1.00 in)
	06/09/11 16:07 EST		0	Source: Public
Hail up to the size of quarters was reported along Laymans Hollow Lane.				
SHENANDOAH COUNTY --- 1.4 WNW MT CLIFTON [38.76, -78.72]				
	06/09/11 17:08 EST		0	Hail (1.00 in)
	06/09/11 17:08 EST		0	Source: Public
Hail up to the size of quarters was reported along Graveltown Road.				
AUGUSTA COUNTY --- 1.1 N CENTERVILLE [38.35, -79.00]				
	06/09/11 17:10 EST		0	Hail (1.00 in)
	06/09/11 17:10 EST		0	Source: Public
Hail up to quarters in size was reported near Bridgewater.				
CLARKE COUNTY --- 2.8 S WHITE POST [39.01, -78.10]				
	06/09/11 17:16 EST		0	Hail (1.00 in)
	06/09/11 17:16 EST		0	Source: Public
Quarter sized hail was reported near Howellsville.				
LOUDOUN COUNTY --- 1.7 ESE BLUEMONT [39.11, -77.79]				
	06/09/11 17:20 EST		5K	Thunderstorm Wind (EG 61 kt)
	06/09/11 17:20 EST		0	Source: Public
Large Walnut trees were uprooted and large limbs were snapped off other trees along Round top Lane.				
AUGUSTA COUNTY --- 0.7 E CENTERVILLE [38.33, -78.99]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/09/11 17:25 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/09/11 17:25 EST		0	Source: Public
Large tree limbs were down along Fadley Road.				
<hr/>				
LOUDOUN COUNTY --- 1.7 ESE BLUEMONT [39.11, -77.79]				
	06/09/11 17:25 EST		0	Hail (1.00 in)
	06/09/11 17:25 EST		0	Source: Public
Hail up to quarters in size was reported along Round Top Lane.				
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WARREN COUNTY --- 0.6 N FRONT ROYAL ARPT [38.96, -78.12]				
	06/09/11 17:55 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/09/11 17:55 EST		0	Source: Public
Trees that were a foot to a foot and a half in diameter were down along Morgan Ford Road.				
<hr/>				
WARREN COUNTY --- 2.5 ENE MILLDALE [39.02, -78.06]				
	06/09/11 18:10 EST		2K	Thunderstorm Wind (EG 50 kt)
	06/09/11 18:10 EST		0	Source: Public
Trees that were six inches in diameter were blown down along Howellsville Road.				
<hr/>				
LOUDOUN COUNTY --- 1.5 N MIDDLEBURG [38.99, -77.77]				
	06/09/11 18:24 EST		0	Hail (1.25 in)
	06/09/11 18:24 EST		0	Source: Trained Spotter
Half dollar sized hail was reported near Middleburg.				
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LOUDOUN COUNTY --- 1.5 N MIDDLEBURG [38.99, -77.77]				
	06/09/11 18:24 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/09/11 18:24 EST		0	Source: Trained Spotter
Multiple trees were down along Foxcroft Road.				
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LOUDOUN COUNTY --- 1.1 E MIDDLEBURG [38.97, -77.75]				
	06/09/11 18:40 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/09/11 18:40 EST		0	Source: Public
Large tree limbs were blown down along Route 50.				
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CULPEPER COUNTY --- 1.7 ENE ELKWOOD [38.53, -77.82]				
	06/09/11 21:50 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/09/11 21:50 EST		0	Source: Trained Spotter
Several large tree limbs were down along Remington Road near US Highway 29.				
<hr/>				
ALBEMARLE COUNTY --- 0.5 WSW KESWICK [38.02, -78.38], KESWICK [38.02, -78.37]				
	06/09/11 22:15 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/09/11 22:30 EST		0	Source: Fire Department/Rescue
Multiple trees were down along Route 22.				
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CULPEPER COUNTY --- 1.4 SSW BRANDY [38.48, -77.89]				
	06/09/11 22:15 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/09/11 22:15 EST		0	Source: Public
Trees were snapped by thunderstorm winds.				
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PRINCE WILLIAM COUNTY --- 0.8 WNW FEATHERSTONE [38.64, -77.26]				
	06/09/11 22:25 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/09/11 22:25 EST		0	Source: Public

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Several trees were down in Woodbridge.				
CULPEPER COUNTY --- 0.8 ENE BATNA [38.40, -77.87]				
	06/09/11 22:38 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/09/11 22:38 EST		0	Source: Public
Large tree limbs were down along Batna Road.				
ORANGE COUNTY --- 1.3 NNE RHOADESVILLE [38.29, -77.91]				
	06/09/11 22:45 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/09/11 22:45 EST		0	Source: Fire Department/Rescue
Many large trees were down near Verdiersville.				
Plenty of moisture continued to rotate around high pressure over the southeastern Conus. Hot conditions combined with the moisture to cause moderate amounts of instability to develop. The instability combined with forcing from a surface trough to trigger showers and thunderstorms during the afternoon and evening hours. The moderate instability caused some thunderstorms to produce damaging wind gusts and large hail.				
ALBEMARLE COUNTY --- 2.8 ESE WHITE HALL [38.11, -78.62]				
	06/10/11 17:26 EST		0	Hail (1.50 in)
	06/10/11 17:26 EST		0	Source: Public
Ping pong ball sized hail was reported along Fallen Leaf Lane.				
ALBEMARLE COUNTY --- 3.6 N IVY [38.10, -78.60]				
	06/10/11 17:28 EST		0	Hail (1.00 in)
	06/10/11 17:28 EST		0	Source: Public
Quarter sized hail was reported on Garth Road.				
ALBEMARLE COUNTY --- 1.5 ENE RED HILL [37.98, -78.59]				
	06/10/11 18:06 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/10/11 18:06 EST		0	Source: Public
Several branches that were five to six inches in diameter were blown down in thunderstorm wind gusts.				
ALBEMARLE COUNTY --- 2.1 ENE RED HILL [37.99, -78.59]				
	06/10/11 18:06 EST		0.50K	Thunderstorm Wind (EG 50 kt)
	06/10/11 18:06 EST		0	Source: Public
Several tree limbs about three inches in diameter were blown down in thunderstorm wind gusts.				
ALBEMARLE COUNTY --- 1.1 ESE RED HILL [37.96, -78.60]				
	06/10/11 18:08 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/10/11 18:08 EST		0	Source: Public
Multiple trees were blown down at the Red Hill Quarry. Numerous trees were also blown down off the property as well.				
ALBEMARLE COUNTY --- 2.4 E RED HILL [37.96, -78.58]				
	06/10/11 18:09 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/10/11 18:09 EST		0	Source: Public
Several branches six to eight inches in diameter were blown down in thunderstorm wind gusts.				
ALBEMARLE COUNTY --- 2.4 E RED HILL [37.97, -78.58]				
	06/10/11 18:09 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/10/11 18:09 EST		0	Source: Public
A tree that was eight to twelve inches in diameter was blown down near North Garden.				

A surface trough combined with moderate amounts of instability to trigger showers and thunderstorms. A few thunderstorms were able to produce large hail and damaging winds across central Virginia.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALBEMARLE COUNTY --- 1.5 WSW IVY [38.04, -78.62]				
	06/11/11 13:32 EST		0	Hail (1.25 in)
	06/11/11 13:32 EST		0	Source: Public
Half dollar sized hail was reported along Montgomery Lane.				
FAUQUIER COUNTY --- 2.4 E MARKHAM [38.89, -77.96]				
	06/11/11 13:46 EST		0	Thunderstorm Wind (EG 52 kt)
	06/11/11 13:46 EST		0	Source: Public
A wind gust of 60 mph was estimated on Fenny Hill Road.				
FAUQUIER COUNTY --- 2.2 E MARKHAM [38.90, -77.96]				
	06/11/11 13:47 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/11/11 13:47 EST		0	Source: Public
A large birch tree was snapped in half along Fenny Hill Road.				
FAUQUIER COUNTY --- 2.7 ESE MARKHAM [38.88, -77.96]				
	06/11/11 13:49 EST		0	Thunderstorm Wind (EG 52 kt)
	06/11/11 13:49 EST		0	Source: Public
Wind gusts were estimated to be around 60 mph along Carrington Road.				
KING GEORGE COUNTY --- 0.6 ESE NINDE [38.27, -77.04]				
	06/11/11 15:31 EST		0	Hail (1.75 in)
	06/11/11 15:31 EST		0	Source: Public
Golf ball sized hail was reported near Ninde.				
KING GEORGE COUNTY --- 0.4 NE NINDE [38.27, -77.04]				
	06/11/11 15:32 EST		0	Hail (1.00 in)
	06/11/11 15:32 EST		0	Source: Public
Quarter sized hail was reported along Wild Cherry Lane.				
NELSON COUNTY --- 0.3 NNW TYRO [37.82, -79.00]				
	06/11/11 15:54 EST		0	Hail (1.75 in)
	06/11/11 15:54 EST		0	Source: Public
Golf ball sized hail was reported near Tyro.				
A trough of low pressure combined with plenty of low-level moisture to produce moderate amounts of instability on the eleventh. The instability combined with a surface trough to trigger showers and thunderstorms. Some thunderstorms produced damaging winds and large hail.				
AUGUSTA COUNTY --- 1.7 NNE CRIMORA [38.17, -78.83]				
	06/12/11 13:00 EST		50K	Thunderstorm Wind (EG 56 kt)
	06/12/11 13:00 EST		0	Source: Fire Department/Rescue
Fallen trees caused significant damage to several mobile homes and vehicles in the Country Estates Trailer Park.				
CHARLOTTESVILLE (C) COUNTY --- 2.1 N CHARLOTTESVILLE [38.06, -78.50]				
	06/12/11 13:50 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/12/11 13:50 EST		0	Source: Trained Spotter
A tree was down near the Route 250 Bypass.				
ALBEMARLE COUNTY --- 0.5 E RIO [38.07, -78.46]				
	06/12/11 13:52 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/12/11 13:52 EST		0	Source: Fire Department/Rescue

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees were down along the Charlottesville Bypass.				
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ALBEMARLE COUNTY --- 2.7 E RED HILL [37.97, -78.57]	06/12/11 13:52 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/12/11 13:52 EST		0	Source: Fire Department/Rescue
A tree fell knocking out power lines near North Garden.				
<hr/>				
LOUDOUN COUNTY --- 0.3 ESE HILLSBORO [39.20, -77.71]	06/12/11 14:42 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/12/11 14:42 EST		0	Source: NWS Employee
A large limb fell into the southbound lane of VA Route 9.				
<hr/>				
LOUDOUN COUNTY --- 1.1 WNW WHEATLAND [39.19, -77.69]	06/12/11 14:44 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/12/11 14:44 EST		0	Source: Fire Department/Rescue
Trees and wires were down along the 38000 Block of VA Route 9.				
<hr/>				
LOUDOUN COUNTY --- 1.1 N BLOOMFIELD [39.05, -77.80]	06/12/11 15:00 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:00 EST		0	Source: Fire Department/Rescue
A tree fell onto a house along the 20000 Block of Furr Road.				
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LOUDOUN COUNTY --- 0.7 SE UNISON [39.02, -77.77]	06/12/11 15:05 EST		5K	Thunderstorm Wind (EG 56 kt)
	06/12/11 15:05 EST		0	Source: Fire Department/Rescue
Trees were down along St. Louis Road and Foxcroft Road.				
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LOUDOUN COUNTY --- 2.0 SE UNISON [39.01, -77.75]	06/12/11 15:08 EST		0	Thunderstorm Wind (EG 65 kt)
	06/12/11 15:08 EST		0	Source: Fire Department/Rescue
Thunderstorm winds produced damage to Foxcroft School in Middleburg.				
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LOUDOUN COUNTY --- 0.8 NW PHILOMONT [39.06, -77.74]	06/12/11 15:09 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:09 EST		0	Source: Fire Department/Rescue
Trees were down along the Snickersville Turnpike.				
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LOUDOUN COUNTY --- 1.9 WNW SUNNY BANK [38.99, -77.73]	06/12/11 15:09 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/12/11 15:09 EST		0	Source: Fire Department/Rescue
Trees were down along Polecat Hill Road.				
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FAIRFAX COUNTY --- 0.6 WSW CENTREVILLE [38.83, -77.43]	06/12/11 15:45 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/12/11 15:45 EST		0	Source: Fire Department/Rescue
A tree was down on Singletons Way.				
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FAIRFAX COUNTY --- 2.0 SSE CENTREVILLE [38.80, -77.41]	06/12/11 15:52 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:52 EST		0	Source: Fire Department/Rescue
A tree was down on Compton Road at Briarcroft Road.				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FAIRFAX COUNTY --- 0.4 W CLIFTON [38.78, -77.39]				
	06/12/11 15:55 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/12/11 15:55 EST		0	Source: Fire Department/Rescue
A tree fell onto Main Street.				
KING GEORGE COUNTY --- 0.6 N OFFICE HALL [38.24, -77.15]				
	06/12/11 17:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/12/11 17:30 EST		0	Source: Fire Department/Rescue
A tree was down near the intersection off Kings Highway and James Madison Parkway.				
KING GEORGE COUNTY --- 1.0 NW INDEX [38.19, -77.09]				
	06/12/11 17:51 EST		0	Hail (1.75 in)
	06/12/11 17:51 EST		0	Source: Public
Golf ball sized hail was reported near Rollins Park.				
A cold front combined with moderate instability to trigger showers and thunderstorms on the twelfth. Stronger winds aloft due to an upper-level low over New England caused thunderstorms to become well organized. Thunderstorms were able to produce damaging wind gusts along wit large hail.				
CULPEPER COUNTY --- 3.3 W MONUMENT MILLS [38.59, -78.06]				
	06/16/11 19:40 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/16/11 19:40 EST		0	Source: Fire Department/Rescue
A tree was down near the intersection of Eggsbourneville Road and Rohan Farm Road.				
CULPEPER COUNTY --- 0.5 SSE RIXEYVILLE [38.57, -77.97]				
	06/16/11 19:53 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/16/11 19:53 EST		0	Source: Fire Department/Rescue
A tree was down near the intersection off the 15300 block of Ryland Chapel Road and Shiloh Church Road.				
FAUQUIER COUNTY --- 2.6 S LINDEN [38.86, -78.06]				
	06/16/11 21:00 EST		0	Hail (1.00 in)
	06/16/11 21:00 EST		0	Source: Public
Quater sized hail was reported along Fierry Run Road.				
FAUQUIER COUNTY --- 2.6 S LINDEN [38.86, -78.06]				
	06/16/11 21:00 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/16/11 21:00 EST		0	Source: Public
Tree limbs were blown down and Locust trees were damaged due to thunderstorm winds.				
FAUQUIER COUNTY --- 0.5 WSW ADA [38.83, -77.93]				
	06/16/11 21:16 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/16/11 21:16 EST		0	Source: Fire Department/Rescue
Trees and power lines were down near the intersection of Crest Hill Road and Hume Road.				
A warm front passed through the region during the 16th. Warm and humid air behind the boundary caused showers and thunderstorms to develop. Some thunderstorms were able to produce damaging wind gusts and large hail.				
FAIRFAX COUNTY --- 2.7 N SIDEBURN [38.84, -77.30], 2.6 WNW ILDA [38.84, -77.30], 2.5 WNW ILDA [38.84, -77.30], 2.5 N SIDEBURN [38.84, -77.30]				
	06/16/11 22:50 EST		0	Flash Flood (due to Heavy Rain)
	06/17/11 02:00 EST		0	Source: Law Enforcement
City of Fairfax police reported cars submerged in high water at Roberts Road and Foreest Avenue.				
FAIRFAX COUNTY --- 0.6 NNE ILDA [38.84, -77.24], 0.7 NE ILDA [38.84, -77.24], 0.6 NE ILDA [38.84, -77.24], 0.6 NE ILDA [38.84, -77.24]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/16/11 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/17/11 02:00 EST		0	Source: State Official

High water was reported at Little River Turnpike and Wakefield Drive. A nearby rain gage measured 2.09 inches of rain.

FAIRFAX COUNTY --- 1.1 NNE ILDA [38.84, -77.24], 1.1 WSW TREMONT [38.84, -77.24], 1.0 NE ILDA [38.84, -77.24], 0.9 NNE ILDA [38.84, -77.24]				
	06/16/11 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/17/11 02:00 EST		0	Source: State Official

High water was reported at Woodburn Road and Frost Way. A nearby rain gage measured 1.45 inches of rain.

FAIRFAX COUNTY --- 1.3 N ILDA [38.85, -77.25], 1.2 NNE ILDA [38.85, -77.25], 1.1 N ILDA [38.85, -77.25], 1.1 N ILDA [38.85, -77.25], 1.3 N ILDA [38.85, -77.25]				
	06/16/11 23:05 EST		0	Flash Flood (due to Heavy Rain)
	06/17/11 02:00 EST		0	Source: Law Enforcement

The 3700 block of Prosperity Avenue was closed due to high water. A nearby rain gage observed 1.38 inches.

A warm front slowly lifted northward through northern Virginia on the evening of the 16th. Warm and very moist air was lifted along this boundary and thunderstorms developed. Heavy rain in the urban areas of the City of Fairfax and adjacent Fairfax County prompted localized flash flooding. Rainfall amounts of over 2 inches in less than 2 hours were measured in this area.

AUGUSTA COUNTY --- 2.3 ESE DOOMS [38.11, -78.83]				
	06/17/11 12:15 EST		0	Hail (1.00 in)
	06/17/11 12:15 EST		0	Source: Public

Quarter sized hail was reported near Crimora.

AUGUSTA COUNTY --- 2.1 ESE DOOMS [38.11, -78.83]				
	06/17/11 12:18 EST		0	Hail (1.00 in)
	06/17/11 12:18 EST		0	Source: Trained Spotter

Quarter sized hail was reported near Crimora.

ALBEMARLE COUNTY --- 1.8 SE BATESVILLE [37.98, -78.71]				
	06/17/11 12:33 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/11 12:33 EST		0	Source: Fire Department/Rescue

A tree was down at the intersection of Plank Road and Heartwood Road.

ALBEMARLE COUNTY --- 1.6 SSW KEENE [37.85, -78.58]				
	06/17/11 13:00 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/17/11 13:00 EST		0	Source: Fire Department/Rescue

A tree was down at the intersection of Esmont Road and Nydrrie Drive.

ALBEMARLE COUNTY --- 3.0 SSW BLEMHEIM [37.86, -78.51]				
	06/17/11 13:07 EST		0	Hail (1.25 in)
	06/17/11 13:07 EST		0	Source: Public

Half dollar sized hail was reported near Glendower.

ALBEMARLE COUNTY --- 3.7 NNE SCOTTSVILLE [37.85, -78.47]				
	06/17/11 13:10 EST		0	Hail (1.00 in)
	06/17/11 13:10 EST		0	Source: Public

Quarter sized hail was reported near Scottsville.

ALBEMARLE COUNTY --- 3.0 NNE SCOTTSVILLE [37.84, -78.48]				
	06/17/11 13:12 EST		0	Hail (1.25 in)
	06/17/11 13:12 EST		0	Source: Public

Half dollar sized hail was reported near Scottsville.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALBEMARLE COUNTY --- 3.7 NNE SCOTTSVILLE [37.85, -78.47]				
	06/17/11 13:13 EST		0	Hail (1.50 in)
	06/17/11 13:13 EST		0	Source: Public
Ping pong ball sized hail was reported near Scottsville.				
ALBEMARLE COUNTY --- 1.1 NNE SCOTTSVILLE [37.81, -78.49]				
	06/17/11 13:14 EST		0	Hail (1.00 in)
	06/17/11 13:14 EST		0	Source: Public
Quarter sized hail was reported along Holly Road.				
ALBEMARLE COUNTY --- 1.9 NNE SCOTTSVILLE [37.82, -78.49]				
	06/17/11 13:14 EST		0	Hail (1.75 in)
	06/17/11 13:14 EST		0	Source: Public
Golf ball sized hail was reported near Scottsville.				
ALBEMARLE COUNTY --- 2.3 NNE SCOTTSVILLE [37.83, -78.49]				
	06/17/11 13:14 EST		0	Thunderstorm Wind (EG 50 kt)
	06/17/11 13:14 EST		0	Source: Public
Small to medium sized limbs were damaged by thunderstorm winds.				
ALBEMARLE COUNTY --- 3.6 NE SCOTTSVILLE [37.84, -78.46]				
	06/17/11 13:15 EST		0	Hail (1.25 in)
	06/17/11 13:15 EST		0	Source: Public
Half dollar sized hail was reported along Albevanna Spring Road.				
NELSON COUNTY --- 0.9 N SCHUYLER [37.79, -78.70]				
	06/17/11 14:16 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/17/11 14:16 EST		0	Source: Public
A few trees were down along Salem Road.				
ALBEMARLE COUNTY --- 0.7 E ESMONT [37.83, -78.61]				
	06/17/11 14:29 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/17/11 14:29 EST		0	Source: Public
A few trees were down along in Esmont.				
MADISON COUNTY --- 1.5 SSW SYRIA [38.46, -78.34]				
	06/17/11 15:21 EST		0	Hail (1.75 in)
	06/17/11 15:21 EST		0	Source: Public
Golf ball sized hail was reported near Syria.				
MADISON COUNTY --- 1.1 ENE HAYWOOD [38.45, -78.25]				
	06/17/11 15:31 EST		0	Hail (1.75 in)
	06/17/11 15:31 EST		0	Source: Public
Golf ball sized hail was reported at Haywood.				
CULPEPER COUNTY --- 2.4 SSE REVA [38.47, -78.12]				
	06/17/11 15:45 EST		0	Hail (1.75 in)
	06/17/11 15:45 EST		0	Source: Fire Department/Rescue
Golf ball sized hail was reported near Reva.				

A return flow around high pressure pumped in plenty of warm and moist air over the region. Colder air aloft associated with an upper-level trough combined with the warm and moist air at the surface to develop moderate amounts of instability. A surface trough

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
acted as the lifting mechanism for showers and thunderstorms to develop during the afternoon and evening hours. Thunderstorms were able to produce large hail and damaging wind gusts.				
ALBEMARLE COUNTY --- 0.4 SW BROWNSVILLE [38.05, -78.71]				
	06/21/11 14:52 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/21/11 14:52 EST		0	Source: Fire Department/Rescue
Trees were down along Miller School Road.				
A warm front passed through the region on the twenty-first. Warm and moist air behind the boundary caused moderate amounts of instability to develop. The instability caused showers and thunderstorms to develop. An isolated thunderstorm did produce damaging wind gusts across central Virginia.				
ALBEMARLE COUNTY --- 2.5 N CARTERS BRIDGE [37.94, -78.57]				
	06/28/11 15:01 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/28/11 15:01 EST		0	Source: Fire Department/Rescue
A tree was knocked down onto Red Hill Road.				
ALBEMARLE COUNTY --- 1.0 ESE CARTERS BRIDGE [37.90, -78.55]				
	06/28/11 15:12 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/28/11 15:12 EST		0	Source: Fire Department/Rescue
A tree was knocked down onto power lines along Scottsville Road.				
ALBEMARLE COUNTY --- 2.2 NNW ADVANCE MILLS [38.21, -78.47]				
	06/28/11 15:31 EST		0	Hail (1.00 in)
	06/28/11 15:31 EST		0	Source: Public
Quarter sized hail was reported along Buffalo River Road.				
CULPEPER COUNTY --- 3.6 NNW JEFFERSONTON [38.68, -77.92]				
	06/28/11 15:54 EST		3K	Thunderstorm Wind (EG 56 kt)
	06/28/11 15:54 EST		0	Source: Public
Trees and limbs were down across Rose Lane.				
CULPEPER COUNTY --- 3.6 NNW JEFFERSONTON [38.68, -77.93]				
	06/28/11 15:54 EST		0	Hail (1.00 in)
	06/28/11 15:54 EST		0	Source: Public
Quarter sized hail was reported along Kelly Court.				
CULPEPER COUNTY --- 3.6 NNW JEFFERSONTON [38.68, -77.93]				
	06/28/11 15:54 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/28/11 15:54 EST		0	Source: Public
Limbs were down along Kelly Court.				
FAUQUIER COUNTY --- 1.9 SSE ELKRUN [38.52, -77.66]				
	06/28/11 16:53 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/28/11 16:53 EST		0	Source: Fire Department/Rescue
A tree was down along Ensors Shop Road.				
STAFFORD COUNTY --- 1.0 WSW RUBY [38.49, -77.54]				
	06/28/11 17:13 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/28/11 17:13 EST		0	Source: Fire Department/Rescue
Trees were down near Rusby.				
STAFFORD COUNTY --- 1.2 WNW ROSEVILLE [38.48, -77.54]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/28/11 17:17 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/28/11 17:17 EST		0	Source: Fire Department/Rescue

Trees were down near Heflin.

STAFFORD COUNTY --- 2.0 SSE GARRISONVILLE [38.44, -77.41]

	06/28/11 17:22 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/28/11 17:22 EST		0	Source: Fire Department/Rescue

Trees were down near Garrisonville.

A cold front passed through the region on the twenty-eighth. The cold front combined with moderate instability to trigger showers and thunderstorms. Some thunderstorms were able to produce damaging wind gusts and large hail.

WEST VIRGINIA, East

HAMPSHIRE COUNTY --- 0.2 SSE HANGING ROCK [39.27, -78.55]

	06/09/11 16:00 EST		0	Hail (1.00 in)
	06/09/11 16:00 EST		0	Source: Fire Department/Rescue

Quarter sized hail was reported along the intersection of Routes 50 and 29.

HAMPSHIRE COUNTY --- 0.5 SSW CAPON BRIDGE [39.29, -78.45]

	06/09/11 16:15 EST		5K	Thunderstorm Wind (EG 61 kt)
	06/09/11 16:15 EST		0	Source: Trained Spotter

Numerous hardwood trees were damaged. Some trees were snapped off about twelve feet up and others were blown over.

HAMPSHIRE COUNTY --- 1.2 SW CAPON BRIDGE [39.29, -78.47]

	06/09/11 16:15 EST		10K	Thunderstorm Wind (EG 56 kt)
	06/09/11 16:15 EST		0	Source: Fire Department/Rescue

Multiple trees were down at Dillons Run Road and US-50. One tree fell onto a Pickup.

Plenty of moisture continued to rotate around high pressure over the southeastern Conus. Hot conditions combined with the moisture to cause moderate amounts of instability to develop. The instability combined with forcing from a surface trough to trigger showers and thunderstorms during the afternoon and evening hours. The moderate instability caused a few thunderstorms to produce damaging wind gusts and large hail.

MORGAN COUNTY --- 1.1 NNW LARGENT [39.50, -78.39]

	06/12/11 13:20 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/12/11 13:20 EST		0	Source: Public

A few trees were down near Paw Paw.

MORGAN COUNTY --- 1.0 N LARGENT [39.49, -78.38]

	06/12/11 13:21 EST		1K	Thunderstorm Wind (EG 50 kt)
	06/12/11 13:21 EST		0	Source: Public

Large limbs were down along Bowers Lane.

JEFFERSON COUNTY --- 1.3 NE LEETOWN [39.37, -77.91]

	06/12/11 14:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	06/12/11 14:10 EST		0	Source: Fire Department/Rescue

A tree was knocked down onto power lines at the 15000 block of Leetown Road.

JEFFERSON COUNTY --- 0.3 NW KEARNEYSVILLE [39.38, -77.88]

	06/12/11 14:12 EST		1K	Thunderstorm Wind (EG 56 kt)
	06/12/11 14:12 EST		0	Source: Fire Department/Rescue

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree was blown across railroad tracks near Stubbs Road.				
JEFFERSON COUNTY --- 1.1 W ENGLE [39.35, -77.80]				
	06/12/11 14:20 EST		3K	Thunderstorm Wind (EG 56 kt)
	06/12/11 14:20 EST		0	Source: Fire Department/Rescue

Trees were down in the Bakerton area.

A cold front combined with moderate instability to trigger showers and thunderstorms on the twelfth. Stronger winds aloft due to an upper-level low over New England caused thunderstorms to become well organized. Thunderstorms were able to produce damaging wind gusts along with large hail.

HARDY COUNTY --- 1.6 WSW FLATS [39.17, -79.01]				
	06/18/11 17:05 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/18/11 17:05 EST		0	Source: Fire Department/Rescue

Limbs and branches were down from thunderstorm winds just south of Williamsport Road.

An upper-level disturbance passed through the region on the 18th. The disturbance combined with instability to trigger showers and thunderstorms. An isolated thunderstorm did produce damaging wind gusts.

BERKELEY COUNTY --- 2.3 SSW SPRING MILLS [39.52, -77.97]				
	06/21/11 17:17 EST		0	Hail (1.25 in)
	06/21/11 17:17 EST		0	Source: Public

Half dollar sized hail was reported along Aldrin Lane.

BERKELEY COUNTY --- 1.1 WNW BLAIRTON [39.46, -77.94]				
	06/21/11 17:30 EST		0	Hail (1.00 in)
	06/21/11 17:30 EST		0	Source: NWS Employee

Hail up to quarters in size was reported near Martinsburg.

JEFFERSON COUNTY --- 1.6 SSE MIDDLEWAY [39.28, -77.97]				
	06/21/11 18:57 EST		0	Hail (1.00 in)
	06/21/11 18:57 EST		0	Source: Public

Quarter sized hail was reported at South Childs Road.

A warm front passed through the region on the twenty-first. Warm and moist air behind the boundary caused moderate amounts of instability to develop. The instability caused showers and thunderstorms to develop. Some thunderstorms were able to produce large hail and damaging wind gusts.