Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dmg ATLANTIC NORTH TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83] 03/06/11 17:45 EST Marine Thunderstorm Wind (EG 34 kt) 03/06/11 17:45 EST n Source: Mesonet A wind gust in excess of 30 knots was reported at Cobb Point. CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41] 03/06/11 19:00 EST Marine Thunderstorm Wind (MG 34 kt) 0 03/06/11 19:00 FST Source: Buoy A wind gust of 34 knots was reported at Gooses Reef. CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44] 03/06/11 19:00 EST Marine Thunderstorm Wind (MG 37 kt) 03/06/11 19:00 EST O Source: C-MAN Station A wind gust of 37 knots was reported at Thomas Point Lighthouse. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83] 03/06/11 20:15 EST Marine Thunderstorm Wind (MG 35 kt) 03/06/11 20:15 EST O Source: Mesonet A wind gust of 35 knots was measured at Cobb Point. Low pressure tracked up the Mid-Atlantic Coast spreading showers across the waters on the 6th. Gusty winds from aloft were able to mix down in the heavier showers during the evening hours. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03] Marine Thunderstorm Wind (MG 35 kt) 03/10/11 19:57 EST 0 03/10/11 19:57 EST 0 Source: ASOS A wind gust of 35 knots was reported at Reagan National Airport. A strong cold front slowly passed through the waters on the 10th. Plenty of moisture from the Gulf of Mexico and Atlantic Ocean were drawn into the region ahead of the front. A warm and moist southerly flow ahead of the front caused limited instability to develop. Strong lift from the front combined with the instability to trigger showers and thunderstorms. An isolated thunderstorm did produce gusty winds over the upper Tidal Potomac. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53] 03/16/11 01:45 EST 0 Marine Thunderstorm Wind (MG 34 kt) 03/16/11 01:45 EST O Source: Mesonet A wind gust of 34 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] 03/16/11 01:50 EST Marine Thunderstorm Wind (MG 35 kt) 0 0 03/16/11 01:50 EST Source: Buoy A wind gust of 35 knots was reported at Potomac Buoy. TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04] 03/16/11 02:16 FST n Marine Thunderstorm Wind (MG 36 kt) 03/16/11 02:18 EST 0 Source: Mesonet Wind gusts up to 36 knots were reported at Bishops Head. A cold front passed through the waters during the early morning hours of the 16th. Showers associated with the front were able to mix

down gusty winds from aloft.

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

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/21/11 18:28 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/21/11 18:28 EST		0	Source: ASOS
wind gust in excess of 30 knots was repo	orted at Quantico.			
IDAL POTOMAC INDIAN HD TO COBB IS	S MD COUNTY 0.2 W POTOMAC	: LIGHT [38.34, -76	5.99]	
	03/21/11 18:54 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	03/21/11 18:58 EST		0	Source: Mesonet
Vind gusts up to 38 knots were reported a	t the Potomac Lighthouse.			
A warm front passed through the waters upper-level disturbance tracked through thunderstorms. A couple thunderstorms	the area during this time to combi	=		
TIDAL POTOMAC INDIAN HD TO COBB IS		O [38.50, -77.31]	_	
	03/23/11 19:55 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	03/23/11 19:55 EST		0	Source: ASOS
A wind gust of 36 knots as reported at Qua	antico.			
IDAL POTOMAC INDIAN HD TO COBB IS		POINT [38.31, -77.	-	Marine Thursdown Mind (MO 0710)
	03/23/11 20:10 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	03/23/11 20:20 EST		0	Source: Mesonet
Nind gusts up to 37 knots were reported a	t Baber Point.			
TIDAL POTOMAC INDIAN HD TO COBB IS		: LIGHT [38.34, -76	5.99]	
	03/23/11 20:19 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	03/23/11 20:19 EST		0	Source: Mesonet
A wind gust of 37 knots was reported at the	e Potomac Lighthouse.			
TIDAL POTOMAC COBB IS MD TO SMITH	I PT VA COUNTY 18.2 WNW PIN		-76.83]	
	03/23/11 20:20 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	03/23/11 20:25 EST		0	Source: Mesonet
Nind gusts up to 39 knots were reported a	t Cobb Point.			
CHESAPEAKE BAY N BEACH TO DRUM	PT MD COUNTY COVE POINT [3			
CHESAPEAKE BAY N BEACH TO DRUM	PT MD COUNTY COVE POINT [3 03/23/11 20:42 EST	38.43, -76.39]	0	Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY N BEACH TO DRUM	•	38.43, -76.39]	0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
	03/23/11 20:42 EST 03/23/11 20:54 EST	38.43, -76.39]		· · · ·
Nind gusts in excess of 30 knots were rep	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point.			· · · ·
Vind gusts in excess of 30 knots were rep	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point.			· · · ·
Nind gusts in excess of 30 knots were rep	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point.		0	Source: Buoy
Nind gusts in excess of 30 knots were reported to the control of t	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST		0	Source: Buoy Marine Thunderstorm Wind (EG 34 kt)
Wind gusts in excess of 30 knots were reported to the second of 30 knots was reported to the second of 3	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point.	[38.13, -76.53]	0 0 0	Source: Buoy Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
Wind gusts in excess of 30 knots were reported to the property of the property	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point.	[38.13, -76.53]	0 0 0	Source: Buoy Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
CHESAPEAKE BAY N BEACH TO DRUM Wind gusts in excess of 30 knots were repr TIDAL POTOMAC COBB IS MD TO SMITH A wind gust in excess of 30 knots was repo	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point.	[38.13, -76.53]	0 0 0	Source: Buoy Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
Wind gusts in excess of 30 knots were reported to the property of the property	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point. D MD COUNTY 0.2 SSW CHESAI 03/23/11 20:54 EST 03/23/11 20:54 EST	[38.13, -76.53]	0 0 0 CAL LABORATORY	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy 7 [38.32, -76.45] Marine Thunderstorm Wind (EG 34 kt)
Vind gusts in excess of 30 knots were reported to the complex wind gust in excess of 30 knots was reported to the complex wind	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point. DMD COUNTY 0.2 SSW CHESAI 03/23/11 20:54 EST 03/23/11 20:54 EST 03/23/11 20:54 EST	[38.13, -76.53] PEAKE BIOLOGIC	0 0 0 EAL LABORATORY 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy 7 [38.32, -76.45] Marine Thunderstorm Wind (EG 34 kt)
Vind gusts in excess of 30 knots were reported to the complex of 30 knots was reported to the complex of 30 knots were reported to the complex of 30 knots was reporte	03/23/11 20:42 EST 03/23/11 20:54 EST orted at Cove Point. HPT VA COUNTY PINEY POINT 03/23/11 20:48 EST 03/23/11 20:48 EST orted at Piney Point. DMD COUNTY 0.2 SSW CHESAI 03/23/11 20:54 EST 03/23/11 20:54 EST 03/23/11 20:54 EST	[38.13, -76.53] PEAKE BIOLOGIC	0 0 0 EAL LABORATORY 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy 7 [38.32, -76.45] Marine Thunderstorm Wind (EG 34 kt)

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

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DAL POTOMAC COBB IS MD TO SMITH F	PT VA COUNTY 0.3 NE POTON	MAC BUOY [38.03.	-76.341	
	03/23/11 21:10 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/23/11 21:10 EST		0	Source: Buoy
vind gust in excess of 30 knots was report	ed at the Potomac Buoy.			
stationary boundary was located near the	• •		_	
inging showers and thunderstorms. Ther understorms to produce gusty winds.	e was enough instability near th	e boundary for ne	avier snowers and	d isolated
STRICT OF COLUMBIA				
C-Z001) DISTRICT OF COLUMBIA				
	03/10/11 21:30 EST		0	Coastal Flood
	03/10/11 22:24 EST		0	
etrong processrs aradiant between high	ressure over the Atlantic Occa-	and a cold front -	noving in from the	Ohio Vallay resulted in
strong pressure gradient between high p usty southeast winds over the Tidal Potor			=	
hich led to coastal flooding along areas n		J		
DC-Z001) DISTRICT OF COLUMBIA				
	03/12/11 10:33 EST		0	Coastal Flood
	03/12/11 18:30 EST		0	
otomac River caused water levels to rise a esulted in moderate coastal flooding near	-	n Washington DC o	on the 12th. The el	levated water levels
	-	n Washington DC o	on the 12th. The el	levated water levels
sulted in moderate coastal flooding near	-	n Washington DC o	on the 12th. The el	levated water levels
sulted in moderate coastal flooding near	Wisconsin Avenue. EME WESTERN ALLEGANY	n Washington DC o		
sulted in moderate coastal flooding near	Wisconsin Avenue. EME WESTERN ALLEGANY 03/06/11 11:00 EST	n Washington DC o	0	levated water levels Winter Weather
sulted in moderate coastal flooding near	Wisconsin Avenue. EME WESTERN ALLEGANY	n Washington DC o		
esulted in moderate coastal flooding near	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST		0 0	Winter Weather
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos	st of Maryland on t g the afternoon ar	0 0 the 6th. As the low nd evening hours o	Winter Weather
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos	st of Maryland on t g the afternoon ar	0 0 the 6th. As the low nd evening hours o	Winter Weather
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun	st of Maryland on t g the afternoon ar	0 0 the 6th. As the low nd evening hours o igher elevations.	Winter Weather r passed by to the east, over north-central and
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST	st of Maryland on t g the afternoon ar	0 0 the 6th. As the low nd evening hours o igher elevations.	Winter Weather
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun	st of Maryland on t g the afternoon ar	0 0 the 6th. As the low nd evening hours o igher elevations.	Winter Weather r passed by to the east, over north-central and
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST	et of Maryland on t g the afternoon ar ts were over the h	0 0 the 6th. As the low nd evening hours or igher elevations.	Winter Weather r passed by to the east, over north-central and Winter Weather
Sulted in moderate coastal flooding near IARYLAND, Central ID-Z003) WASHINGTON, (MD-Z501) EXTR DOW pressure tracked up the Mid-Atlantic Coolder air was drawn into the system causi estern Maryland. Snow ended early on the ID-Z501) EXTREME WESTERN ALLEGAN DOW pressure tracked through the Midwest	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during to the the the theorem of the th	et of Maryland on t g the afternoon ar ts were over the h	0 0 the 6th. As the low nd evening hours o igher elevations. 0 0	Winter Weather r passed by to the east, over north-central and Winter Weather nto this system causing
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST	et of Maryland on t g the afternoon ar ts were over the h rom the Atlantic O	0 0 the 6th. As the low nd evening hours o igher elevations. 0 0	Winter Weather r passed by to the east, over north-central and Winter Weather nto this system causing
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN ow pressure tracked through the Midwest idespread precipitation across Maryland.	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amount Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in temorning and afternoon hours of	et of Maryland on t g the afternoon ar ts were over the h rom the Atlantic O the form of rain, but the 9th.	0 0 the 6th. As the low nd evening hours of igher elevations. 0 0	Winter Weather r passed by to the east, over north-central and Winter Weather into this system causing gh cold air for a period of
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR DOWN pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN DOWN pressure tracked through the Midwest idespread precipitation across Maryland. Now across western Maryland during the interest of the Maryland during the M	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amount Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in temorning and afternoon hours of	et of Maryland on t g the afternoon ar ts were over the h rom the Atlantic O the form of rain, but the 9th.	0 0 the 6th. As the low nd evening hours of igher elevations. 0 0	Winter Weather r passed by to the east, over north-central and Winter Weather into this system causing gh cold air for a period of
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR DOWN pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN DOWN pressure tracked through the Midwest idespread precipitation across Maryland. Now across western Maryland during the interest of the Maryland during the M	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during to 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in temorning and afternoon hours of	et of Maryland on t g the afternoon ar ts were over the h rom the Atlantic O the form of rain, but the 9th.	0 0 the 6th. As the low nd evening hours of igher elevations. 0 0 0 cean was drawn in there was enough	Winter Weather y passed by to the east, over north-central and Winter Weather into this system causing gh cold air for a period of
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN ow pressure tracked through the Midwest idespread precipitation across Maryland. now across western Maryland during the MD-Z011) SOUTHERN BALTIMORE, (MD-Z	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in temorning and afternoon hours of 014) ANNE ARUNDEL, (MD-Z017 03/10/11 17:30 EST 03/11/11 01:00 EST	ot of Maryland on t g the afternoon ar ts were over the h rom the Atlantic O the form of rain, b the 9th.	0 0 the 6th. As the lowed evening hours of the control of the cont	Winter Weather y passed by to the east, over north-central and Winter Weather Into this system causing gh cold air for a period of Coastal Flood
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR DOWN pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN DOWN pressure tracked through the Midwest idespread precipitation across Maryland. Now across western Maryland during the interest of the Maryland during the M	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in temorning and afternoon hours of 014) ANNE ARUNDEL, (MD-Z017 03/10/11 17:30 EST 03/11/11 01:00 EST	ot of Maryland on to go the afternoon arts were over the horm of rain, but the 9th. TO ST. MARY'S, (Mile and a cold front to the good and a cold front to go the	0 0 the 6th. As the lowed evening hours of the control of the cont	Winter Weather P passed by to the east, over north-central and Winter Weather Into this system causing Ingh cold air for a period of Coastal Flood Property of the contract of the contra
IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR Dow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN DOW pressure tracked through the Midwest idespread precipitation across Maryland. Inow across western Maryland during the MD-Z011) SOUTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z011) STOUTHERN BALTIMORE, (MD-Z011	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mosing rain to change to snow during to the precipitation fell in the morning and afternoon hours of the precipitation fell in the morning and afternoon hours of 014) ANNE ARUNDEL, (MD-Z017 03/10/11 17:30 EST 03/11/11 01:00 EST	ot of Maryland on to go the afternoon arts were over the horom the Atlantic Othe form of rain, but the 9th. Yes T. MARY'S, (Milliand a cold front in The strong onshor	0 0 0 the 6th. As the low of evening hours of the elevations. 0 0 0 cean was drawn in the of the elevations. 0-Z018) CALVERT 0 0 noving in from the ore flow caused was	Winter Weather P passed by to the east, over north-central and Winter Weather Into this system causing Into this syste
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IARYLAND, Central MD-Z003) WASHINGTON, (MD-Z501) EXTR ow pressure tracked up the Mid-Atlantic Colder air was drawn into the system causi estern Maryland. Snow ended early on the MD-Z501) EXTREME WESTERN ALLEGAN ow pressure tracked through the Midwest idespread precipitation across Maryland. now across western Maryland during the MD-Z011) SOUTHERN BALTIMORE, (MD-Z strong pressure gradient between high p usty southeast winds over the Tidal Potor	EME WESTERN ALLEGANY 03/06/11 11:00 EST 03/07/11 01:00 EST Coast spreading rain across mos ng rain to change to snow during e 7th. The heaviest snow amoun Y 03/09/11 09:00 EST 03/09/11 17:00 EST con the 9th. Plenty of moisture fr Most of the precipitation fell in t morning and afternoon hours of 014) ANNE ARUNDEL, (MD-Z017 03/10/11 17:30 EST 03/11/11 01:00 EST ressure over the Atlantic Ocean mac River and Chesapeake Bay. lear the western shore of the Che	ot of Maryland on to go the afternoon arts were over the horom the Atlantic Othe form of rain, but the 9th. Yes T. MARY'S, (Milliand a cold front in The strong onshor	0 0 0 the 6th. As the low of evening hours of the elevations. 0 0 0 cean was drawn in the of the elevations. 0-Z018) CALVERT 0 0 noving in from the ore flow caused was	Winter Weather P passed by to the east, over north-central and Winter Weather Into this system causing Into this syste

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Source: Unknown

0

03/10/11 19:06 EST

Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dma A thunderstorm wind gust was estimated around 60 mph. A strong cold front slowly passed through the area on the 10th. Plenty of moisture from the Gulf of Mexico and Atlantic Ocean were drawn into the region ahead of the front. A warm and moist southerly flow ahead of the front caused limited instability to develop. Strong lift from the front combined with the instability to trigger showers and thunderstorms. Winds just a few thousand feet above the surface were quite strong. An isolated thunderstorm did transport these winds down to the surface over lower southern Maryland. FREDERICK COUNTY --- 2.2 NE MOTTERS [39.67, -77.30], 2.8 ENE MOTTERS [39.67, -77.28], 2.5 ENE MOTTERS [39.66, -77.28], 1.9 NE MOTTERS [39.67, -77.30] 03/10/11 20:45 EST 0 Flash Flood (due to Heavy Rain) 03/10/11 21:00 EST n Source: Newspaper Keysville Road was closed due to flash flooding between Four Points Bridge and Sixes Road. BALTIMORE CITY (C) COUNTY --- 1.0 NW MT ROYAL [39.33, -76.64], 1.1 NW MT ROYAL [39.33, -76.64], 1.1 NNW MT ROYAL [39.33, -76.64], 1.0 NW MT ROYAL [39.33, -76.64] 03/10/11 22:00 EST 0 Flash Flood (due to Heavy Rain) 03/10/11 22:30 EST 0 Source: Broadcast Media Both the Meadow Mill and Jones Falls parking lots were closed due to flash flooding. Low pressure passed through the Great Lakes on the 10th. A strong cold front associated with this system slowly moved through Maryland during the afternoon and evening hours. A southeast wind between this system and high pressure over the Atlantic Ocean pumped in copious amounts of moisture across the region. The deep moisture combined with strong lift from the front and limited instability to trigger showers and thunderstorms. Some thunderstorms produced locally heavy amounts of rain in a short period of time which led to flash flooding. ALLEGANY COUNTY --- 0.5 NW DETMOLD [39.58, -78.99] 03/23/11 17:30 EST 0 Hail (1.00 in) 03/23/11 17:30 EST 0 Source: Public Quarter sized hail was reported near Lonaconing. A stationary boundary was located over western Maryland on the 23rd. An upper-level disturbance tracked through the area during this time, bringing showers and thunderstorms. There was enough instability near the boundary for an isolated thunderstorm to produce large hail. (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT 03/27/11 03:00 EST 0 Winter Weather 03/27/11 10:00 FST 0 A wave of low pressure quickly passed by to the south during the morning hours of the 27th. High pressure to the north supplied enough cold air to cause precipitation associated with the low to fall in the form of snow. VIRGINIA, North (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN, (VA-Z501) NORTHERN FAUQUIER 03/06/11 16:00 EST 0 Winter Weather 0 03/07/11 01:00 EST Low pressure tracked up the Mid-Atlantic Coast spreading rain across northern and central Virginia on the 6th. As the low passed by to the east, colder air was drawn into the system causing rain to change to snow during the afternoon and evening hours over portions of the Potomac Highlands and Shenandoah Valley. Snow ended early on the 7th. The heaviest snow amounts were over the higher

NELSON COUNTY --- 2.0 E TYE RIVER [37.65, -78.93], 2.5 SSE ARRINGTON [37.64, -78.91], 1.8 SE ARRINGTON [37.66, -78.90], 1.1 SSE ARRINGTON

0

n

03/10/11 15:15 EST

03/10/11 17:00 EST

[37.67, -78.91]

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Flash Flood (due to Heavy Rain)

Source: Fire Department/Rescue

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
South Powells Island Road was closed due to	o high water.			
CULPEPER COUNTY 1.7 SE NORMAN [3 .78.05]	8.50, -78.05], 1.7 SE NORMAN [3	88.50, -78.05], 1.7 \$	SE NORMAN [38.50	0, -78.05], 1.6 SE NORMAN [38.50,
-10.001	03/10/11 18:15 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 19:15 EST		0	Source: Fire Department/Rescue
Sperryville Pike at CL Jackson Drive was clo	sed due to high water.			
CULPEPER COUNTY 1.1 WNW JEFFERS	SONTON [38.64, -77.92], 0.8 NNW	/ JEFFERSONTON	[38.64, -77.91], 0.0	6 NW JEFFERSONTON [38.64, -77.91], 1.1
WNW JEFFERSONTON [38.64, -77.92]				
	03/10/11 18:30 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 19:30 EST		0	Source: Trained Spotter
Flash flooding was reported at the intersection	on of 802 and 621.			
GREENE COUNTY 1.5 W QUINQUE [38.2		5, -78.43], 1.2 W Q	-	
	03/10/11 18:30 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 19:30 EST		0	Source: Trained Spotter
Flash flooding was reported on Lewis Drive.				
FAUQUIER COUNTY 0.5 WSW MARSHAI	LL [38.87, -77.86], 0.2 SW MARSI	HALL [38.87, -77.8	5], 0.3 SSW MARS	SHALL [38.87, -77.85], 0.5 SW
MARSHALL [38.87, -77.86]	03/10/11 18:45 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 20:30 EST		0	Source: Fire Department/Rescue
	00/10/11 20:00 201		· ·	Course. The Beparament (Cooker
Flash flooding was reported at Main Street.				
PRINCE WILLIAM COUNTY 0.4 WSW TR	IANGLE [38.55, -77.34], 0.3 SW T	RIANGLE [38.55,	-77.33], 0.5 SW TR	IANGLE [38.54, -77.34], 0.5 WSW
TRIANGLE [38.55, -77.34]	03/10/11 19:40 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 21:30 EST		0	Source: Department of Highways
The right turn lane from Jefferson Davis Roa	d onto Joplin Highway was closed	d due to flash flood	ing.	
PRINCE WILLIAM COUNTY 0.7 NW ADEI	N [38.6677.54], 0.6 WNW ADEN	I [38.6577.54]. 0.	4 NW ADEN [38.65	577.541. 0.5 NNW ADEN (38.66.
-77.53]	1 ,	1 ,	•	,
	03/10/11 19:40 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 21:30 EST		0	Source: Department of Highways
Aden Road at Fleetwood Drive was closed de	ue to flash flooding.			
PRINCE WILLIAM COUNTY 0.8 E DUMFR	RIES [38.57, -77.31], 0.9 ESE DUN	MFRIES [38.57, -77	.31], 0.9 ESE DUM	FRIES [38.57, -77.31], 0.8 ESE
DUMFRIES [38.57, -77.32]	03/10/11 19:40 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 19:40 EST		0	Source: Department of Highways
Colonial Point Road at Possum Point Road w			-	
	VODY ODOVE MODAL TO THE	. NE IIIOKO EV		N 4 4 ENE HIGKORY ORDEVE TO CA
PRINCE WILLIAM COUNTY 1.5 ENE HICI -77.61], 1.5 ENE HICKORY GROVE [38.91, -	77.61]	NE HICKORY GR	_	
	03/10/11 19:40 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 21:30 EST		0	Source: Department of Highways
Little River Road near the Loudoun and Princ	ce William County line was closed	I due to flash floodi	ng.	
FAIRFAX COUNTY 0.2 SE MERRIFIELD [38.87, -77.23], 0.6 SSE MERRIFIE	ELD [38.86, -77.23]	, 0.8 SE MERRIFIE	ELD [38.86, -77.22], 0.6 ESE MERRIFIELD
[38.87, -77.22]	03/10/11 21:00 FST		0	Flach Flood (due to Hoovy Pain)
	03/10/11 21:00 EST		0	Flash Flood (due to Heavy Rain)
	03/10/11 21:30 EST		0	Source: Department of Highways

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Deaths &

Property &

Event Type and Details

Date/Time

Location

Location	Inju	aths & Iries	Property & Crop Dmg	Event Type and Details	
The interstate 495 entrance ramp from eastboung	u route 30 was closed due to flash floo	oaing.			
Low pressure passed through the Great Lakes on the 10th. A strong cold front associated with this system slowly moved through northern and central Virginia during the afternoon and evening hours. A southeast wind between this system and high pressure over the Atlantic Ocean pumped in copious amounts of moisture across the region. The deep moisture combined with strong lift from the front and limited instability to trigger showers and thunderstorms. Some thunderstorms produced locally heavy amounts of rain in a short period of time which led to flash flooding.					
ORANGE COUNTY 1.5 WNW DANTON [38.19)77.941				
	03/10/11 17:36 EST		2K	Thunderstorm Wind (EG 56 kt)	
	03/10/11 17:36 EST		0	Source: Fire Department/Rescue	
Trees were down on Dueling Road near Taylor H	lighway.				
SPOTSYLVANIA COUNTY 1.0 ESE ALSOP [3	38.19, -77.63]				
	03/10/11 18:00 EST		3K	Thunderstorm Wind (EG 56 kt)	
	03/10/11 18:00 EST		0	Source: NWS Storm Survey	
Multiple trees were down near Alsop.					
SPOTSYLVANIA COUNTY 1.8 ESE ALSOP [3	38.19, -77.62]				
	03/10/11 18:00 EST		1K	Thunderstorm Wind (EG 56 kt)	
	03/10/11 18:00 EST		0	Source: Fire Department/Rescue	
A tree was down at Courthouse and Blockhouse	Road.				
SPOTSYLVANIA COUNTY 1.0 N CHANCELL	OR [38.28, -77.60]				
	03/10/11 18:08 EST		2K	Thunderstorm Wind (EG 61 kt)	
	03/10/11 18:08 EST		0	Source: Fire Department/Rescue	
Power poles were snapped near Chancellor Roa	d and Old Plank Road.				
FAUQUIER COUNTY 0.6 NE BEALETON [38.	58, -77.76] 03/10/11 18:15 EST		0	Thunderstorm Wind (EG 52 kt)	
	03/10/11 18:15 EST		0	Source: Trained Spotter	
A wooden fence six feet high was completely blo	wn over. Aluminum patio furniture flew	off the pat	o near Bealeton.		
FAUQUIER COUNTY 2.6 SW OPAL [38.59, -7	7.84]				
	03/10/11 18:16 EST		1K	Thunderstorm Wind (EG 52 kt)	
	03/10/11 18:16 EST		0	Source: Utility Company	
A tree was down near Tackett Lane and St. Paul:	s Road.				
FAUQUIER COUNTY 0.6 NE BEALETON [38.	- · · · · - · · - · · · · · · · · · · ·	77.70]			
	03/10/11 18:17 EST		25K	Tornado (EF1, L: 4.41 mi , W: 75 yd)	
	03/10/11 18:20 EST		0	Source: NWS Storm Survey	
Multiple trees were down and a well constructed	Barn was collapsed near the intersecti	on of Route	e 28 and Old Card	lina Road.	
FAUQUIER COUNTY 0.8 SSW MIDLAND [38.	- · · · · · · · · · · · · · · · · · · ·				
	03/10/11 18:18 EST		3K	Thunderstorm Wind (EG 56 kt)	
	03/10/11 18:18 EST		0	Source: Utility Company	
Three to four trees were down near Bealeton Roa	ad and Rogues Road.				
PRINCE WILLIAM COUNTY 0.2 W NOKESVIL	LE [38.70, -77.58]				
	03/10/11 18:35 EST		0	Thunderstorm Wind (EG 50 kt)	
	03/10/11 18:35 EST		0	Source: Amateur Radio	
Branches were down in Nokesville.					
Dianoles were down in Nokesville.					

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PRINCE WILLIAM COUNTY 1.6 N WEST GATE OF LOMOND (18.79, -77.50) OST/07/11 (18.49 EST) OS 10/11 (18.49 EST) OS 20/11 (18.49 EST) OS	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees were down along I-86 near mile marker 46. FAREFAX COUNTY — 2.2 NE BULL RUN [38.83, 77.45], 2.1 NNW PENDER [38.90, -77.38] 0.75 0.1011 19:03 EST 0.75 0.	PRINCE WILLIAM COUNTY 1.6 N WEST GATE				
Trees were down along 1-86 near mile marker 46. **AIRFAX COUNTY — 2.2 NE BULL RUN [38.85, 77.45], 2.1 NNW PENDER [28.90, -77.38] 031:0111 18:556 EST					· · ·
AIRFAX COUNTY — 2.2 NE BULL RUN [38.85, -77.45], 2.1 NNW PENDER [38.90, -77.38] 03/10/11 18:59 EST 0 Source: NWS Storm Survey John Storm Survey John Storm Stor		03/10/11 18:49 EST		0	Source: NWS Employee
O3/10/11 18:59 EST SK Tomado (EFO, L.4.90 mi, W: 75 yd) O3/10/11 18:09 EST 0 0 Source: NWS Storm Surveys WS	rees were down along I-66 near mile marker 46.				
03/10/11 19:03 EST 0 Source: NWS Storm Survey Analy broken free branches were localed near the Sully Station Shopping Center west of Braddock Road. Pine trees were snapped in Elianor Lawrance where along southbound Virginia Route 28. More pine trees were snapped in the woods of Lawrance Park north of Walney House. Minor tree damage onlined across US Route 50 near the International Town and Country Club. Latrong cold front slowly passed through the area on the 16th. Phenty of moisture from the Gulf of Mexico and Atlantic Occan were rawn into the region ahead of the front. A warm and moist southerly flow ahead of the front caused limited instability to develop. The surface were quite strong. Some thunderstorms. Winds just a few thousand feel above the surface were quite strong. Some thunderstorms were able to transport these winds down to the surface during the afternoon and evening hours of the 16th. There was also enough rotation at the lower levels of the atmosphere or isolated tornadoes in the stronger thunderstorms. INGHLAND COUNTY — 0.3 NE MONTEREY HANNAH ARPT [38.40, -79.60] 03/21/11 17:30 EST 0 Thunderstorm Wind (MG 52 kt) 03/21/11 17:30 EST 0 Source: Trained Spotter INGHLAND COUNTY — 0.8 NW MC DOWELL [38.34, -79.49] 03/21/11 17:41 EST 0 Source: Public Lating to quarters in size was reported in McDowell. UGUSTA COUNTY — 2.7 S WEST AUGUSTA [38.24, -79.49] 03/21/11 18:00 EST 0 Source: Public Lating to the size of quarters was reported on Deerfield Valley Road. PRINCE WILLIAM COUNTY — 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:02 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:02 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:00 EST 0 Source: Public LAUGUSTA COUNTY — 1.4 ESE WEST AUGUSTA [38.27, -78.31] 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/22/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/22/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/22/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/22/11 18:00 EST 1K Thunderst	AIRFAX COUNTY 2.2 NE BULL RUN [38.85, -7	7.45], 2.1 NNW PENDER [38.9	90, -77.38]		
Stany broken tree branches were located near the Sully Station Shopping Center west of Braddock Road. Pine trees were snapped in Elianor Lawrance brark along southbound Virginia Route 28. More pine trees were snapped in the woods of Lawrence Park north of Wainey House. Minor tree damage ontinined across US Route 50 near the International Town and Country Club. Lastrong cold front slowly passed through the area on the 10th. Plenty of moisture from the Gulf of Mexico and Atlantic Ocean were trawn into the region shead of the front. A warm and moist southerly flow shead of the front caused limited Instability to develop. Introng lift from the front combined with the instability to trigger showers and thunderstorms. Winds just a few thousand feet above the surface were quite strong. Some thunderstorms were able to transport these winds down to the surface during the afternoon and evening hours of the 10th. There was also enough rotation at the lower levels of the atmosphere or isolated tornadoes in the stronger thunderstorms. IGHLAND COUNTY — 0.3 NE MONTEREY HANNAH ARPT [B.40, -78.69] 032/1/11 17:30 EST 0 Thunderstorm Wind (MG 52 kt) 032/1/11 17:30 EST 0 Source: Trained Spotter IGHLAND COUNTY — 0.8 NW MC DOWELL [38.34, -78.49] 032/1/11 17:41 EST 0 Hall (1.00 in) 032/1/11 17:41 EST 0 Source: Public Ideal up to quarters in size was reported in McDowell. INGUISTA COUNTY — 2.7 S WEST AUGUSTA [38.24, -79.49] 032/1/11 18:02 EST 0 Source: Public Ideal up to the size of quarters was reported on Deerfield Valley Road. INGUISTA COUNTY — 0.3 N DUMFRIES [38.67, -77.33] 032/1/11 18:02 EST 1K Thunderstorm Wind (EG 50 kt) 032/1/11 18:02 EST 1K Thunderstorm Wind (EG 50 kt) 032/1/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 032/1/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 032/1/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 100/2/1/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt)		03/10/11 18:59 EST		5K	Tornado (EF0, L: 4.90 mi , W: 75 yd)
surface along southbound Virginia Route 28. More pine trees were swored in the woods of Lawrence Park north of Walney House. Minor tree damage omininued across US Route 50 near the International Town and Country Citus. Let strong cold front slowly passed through the area on the 10th. Plenty of moisture from the Gulf of Mexico and Atlantic Ocean were rawn into the region should of the front. A warm and moist southerly flow should of the front caused limited instability to develop. Trong lift from the front combined with the instability to trigger showers and thunderstorms were able to transport these winds down to the surface during the afternoon and evening hours of the 10th. There was also enough rotation at the lower levels of the atmosphere or isolated formatoes in the stronger thunderstorms. IGHLAND COUNTY — 0.3 NE MONTEREY HANNAH ARPT [38.40, -79.60] 03/21/11 17:30 EST 03/21/11 17:30 EST 03/21/11 17:30 EST 03/21/11 17:30 EST 03/21/11 17:41 EST 0 Hall (1.00 in) 03/21/11 17:41 EST 0 Source: Public Lidiu pto quarters in size was reported in McDowell. LIGUISTA COUNTY — 2.7 S WEST AUGUSTA [38.24, -79.49] 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:00 EST 1K Thunderstorm Wind (EG 50 kt)		03/10/11 19:03 EST		0	Source: NWS Storm Survey
Irraym into the region ahead of the front. A warm and moist southerly flow shead of the front caused limited instability to develop. Strong lift from the front combined with the instability to trigger showers and thunderstorms. Wilded just a few thousand feet above the surface were quite strong. Some thunderstorms were able to transport these winds down to be surface during the afternoon and evening hours of the 10th. There was also enough rotation at the lower levels of the atmosphere or isolated tornadoes in the stronger thunderstorms. ### WINDED HEAD COUNTY 0.3 NE MONTEREY HANNAH ARPT [38.40, -79.80] 03/21/11 17:30 EST	Park along southbound Virginia Route 28. More pir	e trees were snapped in the w			
HIGHLAND COUNTY 0.3 NE MONTEREY HANNAH ARPT [38.40, -79.60] 03/21/11 17:30 EST 0	drawn into the region ahead of the front. A warm Strong lift from the front combined with the insta Winds just a few thousand feet above the surface the surface during the afternoon and evening ho	and moist southerly flow ahe bility to trigger showers and to were quite strong. Some thurs of the 10th. There was als	ad of the front thunderstorms inderstorms we	caused limited ins ere able to transpo	stability to develop. ort these winds down to
03/21/11 17:30 EST 0 Thunderstorm Wind (MG 52 kt) 03/21/11 17:30 EST 0 Source: Trained Spotter Wind gust of 60 mph was measured near Monterey. IIGHLAND COUNTY 0.8 NW MC DOWELL [38.34, -79.49] 03/21/11 17:41 EST 0 Hail (1.00 in) 03/21/11 17:41 EST 0 Source: Public Idial up to quarters in size was reported in McDowell. INUGUSTA COUNTY 2.7 S WEST AUGUSTA [38.24, -79.34] 03/21/11 18:00 EST 0 Hail (1.00 in) 03/21/11 18:00 EST 0 Source: Public INIGUSTA COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:02 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public INIGE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public INIGE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public INIGE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public INIGE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public INIGE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public 05 Source: Pu					
09/21/11 17:30 EST 0 Source: Trained Spotter A wind gust of 60 mph was measured near Monterey. ###################################	HIGHLAND COUNTY 0.3 NE MONTEREY HANN			0	Thunderstorm Wind (MC 52 kt)
A wind gust of 60 mph was measured near Monterey. ### HIGHLAND COUNTY 0.8 NW MC DOWELL [38.34, -79.49] 03/21/11 17:41 EST 0 Hail (1.00 in) 03/21/11 17:41 EST 0 Source: Public #### Public Hail up to quarters in size was reported in McDowell. ##################################					
HIGHLAND COUNTY 0.8 NW MC DOWELL [38.34, -79.49] 03/21/11 17:41 EST 0 Source: Public alial up to quarters in size was reported in McDowell. AUGUSTA COUNTY 2.7 S WEST AUGUSTA [38.24, -79.34] 03/21/11 18:00 EST 03/21/11 18:00 EST 03/21/11 18:00 EST 0 Source: Public alial up to the size of quarters was reported on Deerfield Valley Road. PRINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public arge branches were down near Dumfries. A warm front passed through the region on the 21st. Limited instability developed behind the front due to a southwest flow. An apper-level disturbance tracked through the area during this time to combine with the instability, bringing a few showers and hunderstorms. A few thunderstorms did produce damaging winds and large hall. AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA [38.27, -79.31] 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt)		03/21/11 17:30 EST		0	Source: Trained Spotter
03/21/11 17:41 EST 0 Hail (1.00 in) 03/21/11 17:41 EST 0 Source: Public AUGUSTA COUNTY 2.7 S WEST AUGUSTA [38.24, -79.34] 03/21/11 18:00 EST 0 Hail (1.00 in) 03/21/11 18:00 EST 0 Source: Public PRINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public A warm front passed through the region on the 21st. Limited instability developed behind the front due to a southwest flow. An upper-level disturbance tracked through the area during this time to combine with the instability, bringing a few showers and hunderstorms. A few thunderstorms did produce damaging winds and large hail. AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA [38.27, -79.31] 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 0 Source: Trained Spotter SULPEPER COUNTY 1.9 WNW JEFFERSONTON [38.64, -77.93] 03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)	A wind gust of 60 mph was measured near Monter	ey.			
O3/21/11 17:41 EST O Source: Public Hail up to quarters in size was reported in McDowell. AUGUSTA COUNTY 2.7 S WEST AUGUSTA [38.24, -79.34] O3/21/11 18:00 EST O Source: Public Hail (1.00 in) O3/21/11 18:00 EST O Source: Public FRINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] O3/21/11 18:22 EST O Source: Public RINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] O3/21/11 18:22 EST O Source: Public A warm front passed through the region on the 21st. Limited instability developed behind the front due to a southwest flow. An apper-level disturbance tracked through the area during this time to combine with the instability, bringing a few showers and hunderstorms. A few thunderstorms did produce damaging winds and large hail. AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA [38.27, -79.31] O3/23/11 16:30 EST O Source: Public Thunderstorm Wind (EG 50 kt) O3/23/11 16:30 EST O Source: Trained Spotter	HIGHLAND COUNTY 0.8 NW MC DOWELL [38.	- ·			
Addid up to quarters in size was reported in McDowell. AUGUSTA COUNTY 2.7 S WEST AUGUSTA [38.24, -79.34] 03/21/11 18:00 EST 0 Source: Public Addid up to the size of quarters was reported on Deerfield Valley Road. PRINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public Auram front passed through the region on the 21st. Limited instability developed behind the front due to a southwest flow. An apper-level disturbance tracked through the area during this time to combine with the instability, bringing a few showers and hunderstorms. A few thunderstorms did produce damaging winds and large hail. AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA [38.27, -79.31] 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)		03/21/11 17:41 EST		0	Hail (1.00 in)
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03/21/11 18:00 EST 0 Source: Public Hail up to the size of quarters was reported on Deerfield Valley Road. PRINCE WILLIAM COUNTY 0.3 N DUMFRIES [38.57, -77.33] 03/21/11 18:22 EST 1K Thunderstorm Wind (EG 50 kt) 03/21/11 18:22 EST 0 Source: Public A warm front passed through the region on the 21st. Limited instability developed behind the front due to a southwest flow. An apper-level disturbance tracked through the area during this time to combine with the instability, bringing a few showers and hunderstorms. A few thunderstorms did produce damaging winds and large hail. AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA [38.27, -79.31] 03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 0 Source: Trained Spotter Sumerous branches were down from thunderstorm wind gusts.	Hail up to quarters in size was reported in McDowe	II.			
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03/23/11 16:30 EST 1K Thunderstorm Wind (EG 50 kt) 03/23/11 16:30 EST 0 Source: Trained Spotter Numerous branches were down from thunderstorm wind gusts. CULPEPER COUNTY 1.9 WNW JEFFERSONTON [38.64, -77.93] 03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)	upper-level disturbance tracked through the area	during this time to combine	with the instab		
03/23/11 16:30 EST 0 Source: Trained Spotter Numerous branches were down from thunderstorm wind gusts. CULPEPER COUNTY 1.9 WNW JEFFERSONTON [38.64, -77.93] 03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)	AUGUSTA COUNTY 1.4 ESE WEST AUGUSTA				
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CULPEPER COUNTY 1.9 WNW JEFFERSONTON [38.64, -77.93] 03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)		03/23/11 16:30 EST		0	Source: Trained Spotter
03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)	Numerous branches were down from thunderstorm	wind gusts.			
03/23/11 18:10 EST 1K Thunderstorm Wind (EG 52 kt)	CULPEPER COUNTY 1.9 WNW JEFFERSONTO	DN [38.6477.93]			
	II THE SECOND			1K	Thunderstorm Wind (EG 52 kt)
03/23/11 10.10 E31 0 30uite. Trained Spotter					· · · ·
		00/20/11 10.10 E31		U	обитов. ттаптей орошет

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KING GEORGE COUNTY 1.3 WSW KING				11.77.4.00.
	03/23/11 18:20 EST 03/23/11 18:20 EST		0	Hail (1.00 in) Source: Trained Spotter
Quarter sized hail was reported near King Go				
ROCKINGHAM COUNTY 1.0 SW TIMBER	RVILLE [38.6478.78]			
	03/23/11 18:25 EST		3K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:25 EST		0	Source: Trained Spotter
Several large trees were snapped near Spar	Pine Road and Getz DRive.			
PAGE COUNTY 0.1 WSW LURAY [38.67,	-78.47]			
	03/23/11 18:39 EST		2K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:39 EST		0	Source: Fire Department/Rescue
Trees were knocked down along Bixlers Ferr	y Road.			
PAGE COUNTY 0.2 S LURAY CAVERNS				
	03/23/11 18:40 EST 03/23/11 18:40 EST		0	Thunderstorm Wind (MG 55 kt) Source: Mesonet
A wind gust of 63 mph was measured near F			U	Source: Mesonet
PAGE COUNTY 0.3 SSW HAMBURG [38.	.67, -78.53] 03/23/11 18:40 EST		3K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:40 EST		0	Source: Fire Department/Rescue
Several trees were down north of Route 211. PAGE COUNTY 0.6 ENE FAIRVIEW [38.6			2K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:40 EST		0	Source: Trained Spotter
Two trees were down blocking Leeksville Ro	ad near US211. Another tree was	down near US340).	
PAGE COUNTY 0.8 NW LURAY CAVERN			FIV.	Thursday May 1 (50, 50 LO)
	03/23/11 18:40 EST 03/23/11 18:40 EST		5K 0	Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
Trees were knocked down onto a few vehicle		divsion.	U	Source. Trained Spotter
PAGE COUNTY 0.8 NE LURAY [38.68, -7	8.46]			
	03/23/11 18:41 EST		1K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:41 EST		0	Source: Fire Department/Rescue
Trees were knocked down along Yaegers Ro	oad.			
ROCKINGHAM COUNTY 2.2 WNW ELKT	ON [38.43, -78.66] 03/23/11 18:45 EST		1K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:45 EST		0	Source: Fire Department/Rescue
A large tree near Elkton was knocked down t			-	
DOCUMENTA COUNTY ASSOCIATION	ON 120 44 70 00			
ROCKINGHAM COUNTY 0.9 SSW ELKTO	ON [38.41, -78.62] 03/23/11 18:47 EST		3K	Thunderstorm Wind (EG 56 kt)
	03/23/11 18:47 EST		0	Source: Fire Department/Rescue
Trees and nowerlines were down near Fiktor				·

Trees and powerlines were down near Elkton.

A stationary boundary was located over northern Virginia on the 23rd. An upper-level disturbance tracked through the area during this time, bringing showers and thunderstorms. A few of the thunderstorms became severe across central Virginia where there was more

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Date/Time Location Deaths & **Event Type and Details** Property & Injuries Crop Dmg instability south and west of the boundary. (VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND 03/27/11 01:00 FST n Winter Weather 03/27/11 09:00 EST 0 A wave of low pressure quickly passed by to the south during the morning hours of the 27th. High pressure to the north supplied enough cold air to cause precipitation associated with the low to fall in the form of snow. WEST VIRGINIA, East (WV-Z050) HAMPSHIRE, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON 0 03/06/11 11:00 EST Winter Weather 03/07/11 01:00 EST Low pressure tracked up the Mid-Atlantic Coast spreading rain across most of West Virginia early on the 6th. As the low passed by to the east, colder air was drawn into the system causing rain to mix with and eventually change to snow before ending early on the 7th. The heaviest snow amounts were across the higher elevations. (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON 0 03/09/11 09:00 EST Winter Weather n 03/09/11 17:00 EST Low pressure tracked through the Midwest on the 9th. Plenty of moisture from the Atlantic Ocean was drawn into this system causing widespread precipitation eastern West Virginia. Most of the precipitation fell in the form of rain, but there was enough cold air for a period of snow near the Potomac Highlands during the morning and afternoon hours of the 9th. HARDY COUNTY --- 3.0 SSW LOST CITY [38.89, -78.86], 3.0 SSW LOST CITY [38.89, -78.86], 3.1 SSW LOST CITY [38.89, -78.86], [38.89, -78.86] 03/10/11 18:00 EST Flash Flood (due to Heavy Rain) 03/10/11 18:30 EST n Source: Fire Department/Rescue Flash flooding was reported on Caldwell Hollow Road. Low pressure passed through the Great Lakes on the 10th. A strong cold front associated with this system slowly moved through eastern West Virginia during the afternoon and evening hours. A southeast wind between this system and high pressure over the Atlantic Ocean pumped in copious amounts of moisture across the region. The deep moisture combined with strong lift from the front and limited instability to trigger showers and thunderstorms. Some thunderstorms produced locally heavy amounts of rain in a short period of time which led to flash flooding. **JEFFERSON COUNTY --- 1.9 E KABLETOWN [39.22, -77.81]** 03/10/11 18:10 EST 0.50K Thunderstorm Wind (EG 50 kt) 03/10/11 18:10 EST n Source: Trained Spotter A tree three inches in diameter was down near Bloomery. A strong cold front slowly passed through the area on the 10th. Plenty of moisture from the Gulf of Mexico and Atlantic Ocean were drawn into the region ahead of the front. A warm and moist southerly flow ahead of the front caused limited instability to develop. Strong lift from the front combined with the instability to trigger showers and thunderstorms. Winds just a few thousand feet above the surface were quite strong. An isolated thunderstorm did transport these winds down to the surface over the eastern panhandle. GRANT COUNTY --- 1.3 WSW GORMANIA [39.27, -79.37] 03/23/11 17:23 EST 0 Thunderstorm Wind (EG 52 kt)

03/23/11 17:23 EST

A tree was down over a road in Bayard.

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Source: COOP Observer

0

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details		
HAMPSHIRE COUNTY 2.4 E SLA	NESVILLE [39.37, -78.49]					
	03/23/11 18:05 EST		2K	Thunderstorm Wind (EG 52 kt)		
	03/23/11 18:05 EST		0	Source: County Official		
Trees were down near Slanesville.						
A stationary boundary located across eastern West Virginia on the 23rd. An upper-level disturbance tracked through the area during this						

time, bringing showers and thunderstorms. A few of the thunderstorms became severe due to limited instability near the boundary.

03/27/11 01:00 EST 0 Winter Weather 03/27/11 09:00 EST 0

A wave of low pressure quickly passed by to the south during the morning hours of the 27th. High pressure to the north supplied enough cold air to cause precipitation associated with the low to fall in the form of snow.

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