Deaths &

Property &

**Event Type and Details** 

Date/Time

Wind gusts between 50 and 63 knots were measured at the Chesapeake Rod N Reel.

Location

		Injuries	Crop Dmg	Event Type and Details
ATLANTIC NORTH				
IDAL POTOMAC INDIAN HD TO C	OBB IS MD COUNTY 11.3 NE QUANTION	CO [38.6177.16]		
	08/01/11 16:47 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	08/01/11 16:47 EST		0	Source: Unknown
/ind gusts around 50 knots were es	stimated due to thunderstorm wind damage	e nearby.		
HESAPEAKE BAY SANDY PT TO	N BEACH MD COUNTY 12.4 SSW THO	MAS POINT LIGHT	[38.73, -76.53]	
	08/01/11 17:40 EST		0	Marine Thunderstorm Wind (EG 45 kt)
	08/01/11 17:55 EST		0	Source: Mesonet
Vind gusts up to 45 knots were estin	nated near the Herring Bay.			
IDAL POTOMAC INDIAN HD TO C	OBB IS MD COUNTY 1.1 E BABAR PO	OINT [38.31, -77.01]		
	08/01/11 17:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/01/11 17:45 EST		0	Source: Unknown
Vind gusts up to 34 knots were estin	nated near Baber Point.			
IDAL POTOMAC INDIAN HD TO C	OBB IS MD COUNTY 0.3 N CUCKOLD	CREEK [38.31, -76.	 93]	
	08/01/11 17:43 EST	• • , ••	0	Marine Thunderstorm Wind (MG 41 kt)
	08/01/11 17:43 EST		0	Source: Mesonet
wind gust of 41 knots was reported	d at Cuckold Creek.			
IDAL POTOMAC INDIAN HD TO C	OBB IS MD COUNTY 0.4 NE QUANTIC	O [38.50, -77.31]		
	08/01/11 17:43 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/01/11 17:43 EST		0	Source: ASOS
Vind gusts in excess of 30 knots we	ere reported at Quantico.			
TIDAL POTOMAC INDIAN HD TO C	OBB IS MD COUNTY 11.6 W BABAR P	OINT [38.33, -77.24		
	08/01/11 17:45 EST	• /	0	Marine Thunderstorm Wind (EG 56 kt)
	08/01/11 17:45 EST		0	Source: Unknown
Mind quete around 56 knote were es	stimated due to thunderstorm wind damage	e nearby		
villa gasts around 50 knots were es	samatou ado to arandorotom. mila damagi	5		
			, -76.531	
	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST		<b>0, -76.53]</b>	Marine Thunderstorm Wind (MG 49 kt)
	DRUM PT MD COUNTY 0.3 E CHESAPE			Marine Thunderstorm Wind (MG 49 kt) Source: Mesonet
CHESAPEAKE BAY N BEACH TO D	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST		0	
CHESAPEAKE BAY N BEACH TO D  Vind gusts up to 49 knots were mea	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIR	EAKE BEACH [38.69	0 0	Source: Mesonet
CHESAPEAKE BAY N BEACH TO D  Vind gusts up to 49 knots were mea	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.	EAKE BEACH [38.69	0	Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY N BEACH TO D Vind gusts up to 49 knots were mea	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST	EAKE BEACH [38.69 NT LIGHT [38.90, -76	0 0 0 <b>6.44]</b>	Source: Mesonet
Vind gusts up to 49 knots were mea	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST	EAKE BEACH [38.69 NT LIGHT [38.90, -76	0 0 0 <b>6.44]</b>	Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY N BEACH TO D  Vind gusts up to 49 knots were mea  CHESAPEAKE BAY SANDY PT TO  Vind gusts in excess of 30 knots were	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST ere reported at the Thomas Point Lighthous	EAKE BEACH [38.69 NT LIGHT [38.90, -76	0 0 5.44] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
CHESAPEAKE BAY N BEACH TO D  Wind gusts up to 49 knots were mea  CHESAPEAKE BAY SANDY PT TO  Wind gusts in excess of 30 knots were	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST	EAKE BEACH [38.69 NT LIGHT [38.90, -76	0 0 6.44] 0	Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY N BEACH TO D Vind gusts up to 49 knots were mea CHESAPEAKE BAY SANDY PT TO Vind gusts in excess of 30 knots were	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST  asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST  ere reported at the Thomas Point Lighthous  N BEACH MD COUNTY 12.4 SSW THO 08/01/11 18:40 EST 08/01/11 18:40 EST	EAKE BEACH [38.69 NT LIGHT [38.90, -76	0 0 5.44] 0 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt)
Vind gusts up to 49 knots were mea  CHESAPEAKE BAY SANDY PT TO  Vind gusts in excess of 30 knots were  CHESAPEAKE BAY SANDY PT TO  Vind gusts were estimated to be aro	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST  asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST  ere reported at the Thomas Point Lighthous  N BEACH MD COUNTY 12.4 SSW THO 08/01/11 18:40 EST 08/01/11 18:40 EST	EAKE BEACH [38.69  NT LIGHT [38.90, -70  Se.	0 0 5.44] 0 0 0 [38.73, -76.53] 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY N BEACH TO D Vind gusts up to 49 knots were mea CHESAPEAKE BAY SANDY PT TO Vind gusts in excess of 30 knots were CHESAPEAKE BAY SANDY PT TO Vind gusts were estimated to be aro	DRUM PT MD COUNTY 0.3 E CHESAPE 08/01/11 17:50 EST 08/01/11 18:05 EST  asured at the Chesapeake Rod N Reel.  N BEACH MD COUNTY THOMAS POIN 08/01/11 18:00 EST 08/01/11 18:00 EST ere reported at the Thomas Point Lighthous N BEACH MD COUNTY 12.4 SSW THO 08/01/11 18:40 EST 08/01/11 18:40 EST	EAKE BEACH [38.69  NT LIGHT [38.90, -70  Se.	0 0 5.44] 0 0 0 [38.73, -76.53] 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt)

Page 1 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TIDAL POTOMAC COBB IS MD TO SMITH F		MAC BUOY [38.03,	-	Marina Thundaratorm Wind (FC 24 ltt)
	08/01/11 19:35 EST 08/01/11 19:35 EST		0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
A wind gust in excess of 30 knots as reporte			U	Source. Mesoner
PATAPSCO RIVER INCLUDING BALTIMOR	E HARBOR COUNTY 0.3 S BA 08/01/11 19:44 EST	ALTIMORE CITY [3	<b>9.28, -76.59]</b> 0	Marine Thunderstorm Wind (MG 34 kt)
	08/01/11 19:44 EST		0	Source: Mesonet
A wind gust of 34 knots was measured at Tic	de Point.			
TIDAL POTOMAC INDIAN HD TO COBB IS	MD COUNTY 1.1 E BABAR PO	DINT [38.31, -77.01	1	
	08/01/11 19:45 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/01/11 19:50 EST		0	Source: Mesonet
Wind gusts were estimated to be in excess of	of 34 knots near Baber Point.			
CHESAPEAKE BAY N OF POOLES IS MD C	COUNTY 0.4 NW SUSQUEHAN	INA [39.54, -76.07]		
	08/01/11 20:00 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/01/11 20:00 EST		0	Source: Buoy
A wind gust of 37 knots was reported at the s	Susquehanna River Buoy.			
TIDAL POTOMAC COBB IS MD TO SMITH F		NEY POINT [38.25,	-	Marin Thursday (1997) 1/440 00 10
	08/01/11 20:00 EST 08/01/11 20:45 EST		0	Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet
TIDAL POTOMAC COBB IS MD TO SMITH F	PT VA COUNTY PINEY POINT 08/01/11 20:24 EST	[38.13, -76.53]	0	Marine Thunderstorm Wind (EG 34 kt)
	08/01/11 20:42 EST		0	Source: Buoy
Wind gusts in excess of 30 knots were repor	•	T LOOKOUT IN	4 70 001	
CHESAPEAKE BAY DRUM PT TO SMITH P	08/01/11 20:40 EST	I LOOKOUT [36.0	<b>4, -76.32]</b> 0	Marine Thunderstorm Wind (MG 35 kt)
	08/01/11 20:45 EST		0	Source: Mesonet
Wind gusts up to 35 knots were reported at F	Point Lookout.			
CHESAPEAKE BAY N OF POOLES IS MD C	COUNTY 1.0 SSE HAVRE DE G 08/01/11 20:49 EST	GRACE [39.54, -76.	<b>10]</b> 0	Marine Thunderstorm Wind (EG 42 kt)
	08/01/11 20:54 EST		0	Source: Mesonet
Wind gusts up to 42 knots were estimated ne	ear the Havre De Grace Middle So	chool.		
TIDAL POTOMAC INDIAN HD TO COBB IS	MD COUNTY 0.2 ENE BABAR	POINT [38.31, -77	.03]	
	08/01/11 22:40 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	08/01/11 22:45 EST		0	Source: Mesonet
Wind gusts up to 34 knots were reported at E	Baber Point.			
An upper-level ridge was centered over the between these two systems caused colder aloft to produce moderate amounts of instance. Moderate instability caused some thunders	air aloft to move overhead. War ability. A pressure trough at the	m and moist air at	the surface comb	ined with the colder air

 ${\tt PATAPSCO\ RIVER\ INCLUDING\ BALTIMORE\ HARBOR\ COUNTY\ ---\ 0.4\ E\ MARYLAND\ SCIENCE\ CENTER\ [39.28,\ -76.60]}$ 

Page 2 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/02/11 23:34 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/02/11 23:34 EST		0	Source: Mesonet
Wind gust in excess of 30 knots were estimate	ed near the Maryland Science Ce	enter.		
PATAPSCO RIVER INCLUDING BALTIMORE		ORIOLE PARK A		
	08/02/11 23:34 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/02/11 23:34 EST		0	Source: Mesonet
Wind gusts around 34 knots were estimated n	near Oriole Park at Camden Yard	S.		
PATAPSCO RIVER INCLUDING BALTIMORE		ORIOLE PARK A		
	08/02/11 23:34 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/02/11 23:34 EST		0	Source: Mesonet
Wind gusts in excess of 30 knots were estima	ited near the Lakeland Elementar	ry School.		
PATAPSCO RIVER INCLUDING BALTIMORE		LTIMORE CITY [3	•	
	08/02/11 23:35 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/03/11 00:00 EST		0	Source: Mesonet
Wind gust in excess of 30 knots were reported	d at Tide Point.			
CHESAPEAKE BAY POOLES IS TO SANDY		LER ISLAND [39.	•	
	08/02/11 23:58 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/03/11 00:04 EST		0	Source: Mesonet
CHESAPEAKE BAY POOLES IS TO SANDY	PT MD COUNTY 6.7 ENE BAL	TIMORE APPROA	CHES BUOY [39.:	21, -76.25]
CHESAPEAKE BAY POOLES IS TO SANDY	PT MD COUNTY 6.7 ENE BAL 08/03/11 00:06 EST 08/03/11 00:24 EST	TIMORE APPROA	0 0	21, -76.25]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet
	08/03/11 00:06 EST 08/03/11 00:24 EST	TIMORE APPROA	0	Marine Thunderstorm Wind (MG 37 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar	08/03/11 00:06 EST 08/03/11 00:24 EST Tolchester Beach. and during the nighttime and earl		0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to p	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and earl roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC	ly morning hours (	0 0 of the 2nd and 3rd	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to p	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and earl roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST	ly morning hours (	0 0 of the 2nd and 3rd	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to p	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and earl roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC	ly morning hours (	0 0 of the 2nd and 3rd	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the property of the prop	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST	ly morning hours (	0 0 of the 2nd and 3rd	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to put TIDAL POTOMAC INDIAN HD TO COBB IS N	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST d at Quantico.	ly morning hours o	0 0 of the 2nd and 3rd 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to put TIDAL POTOMAC INDIAN HD TO COBB IS N	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST	ly morning hours o	0 0 of the 2nd and 3rd 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the provided and the provided that the p	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST	ly morning hours o	0 0 of the 2nd and 3rd 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS
Wind gusts up to 37 knots were measured at a pressure trough was located over Marylar trough caused a couple thunderstorms to provide the provided and the prov	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST	ly morning hours o	0 0 of the 2nd and 3rd 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the couple that the couple	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST	ly morning hours ( O [38.50, -77.31]	0 0 of the 2nd and 3rd 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the couple that the couple	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST  ed at Cobb Point.	ly morning hours ( O [38.50, -77.31]	0 0 of the 2nd and 3rd 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts up to 37 knots were measured at a pressure trough was located over Marylar trough caused a couple thunderstorms to provide the provided and the prov	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST dat Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST ed at Cobb Point.  T VA COUNTY 0.2 WNW POIN 08/07/11 19:30 EST 08/07/11 19:40 EST	ly morning hours ( O [38.50, -77.31]	0 0 0 of the 2nd and 3rd 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt)
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the couple of the coup	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST  ed at Cobb Point.  T VA COUNTY 0.2 WNW POIN 08/07/11 19:30 EST 08/07/11 19:40 EST	ly morning hours of [38.50, -77.31]  EY POINT [38.25, NT LOOKOUT [38.4	0 0 0 <b>rt the 2nd and 3rd</b> 0 0 0 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt) Source: Mesonet
Wind gusts up to 37 knots were measured at A pressure trough was located over Marylar trough caused a couple thunderstorms to provide the couple of the coup	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST d at Quantico.  T VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST  ed at Cobb Point.  T VA COUNTY 0.2 WNW POIN 08/07/11 19:30 EST 08/07/11 19:40 EST	ly morning hours of [38.50, -77.31]  EY POINT [38.25, NT LOOKOUT [38.4	0 0 0 <b>rt the 2nd and 3rd</b> 0 0 0 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt) Source: Mesonet
CHESAPEAKE BAY POOLES IS TO SANDY  Wind gusts up to 37 knots were measured at at a pressure trough was located over Marylar trough caused a couple thunderstorms to present the process of a second se	08/03/11 00:06 EST 08/03/11 00:24 EST  Tolchester Beach.  Ind during the nighttime and early roduce gusty winds.  ID COUNTY 0.4 NE QUANTIC 08/07/11 17:40 EST 08/07/11 17:40 EST  d at Quantico.  IT VA COUNTY 18.2 WNW PIN 08/07/11 18:35 EST 08/07/11 18:40 EST  ed at Cobb Point.  IT VA COUNTY 0.2 WNW POIN 08/07/11 19:30 EST 08/07/11 19:40 EST  oint Lookout.	ly morning hours of [38.50, -77.31]  EY POINT [38.25, NT LOOKOUT [38.4	0 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  I. Instability ahead of the  Marine Thunderstorm Wind (EG 34 kt) Source: ASOS  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt) Source: Mesonet

A cold front passed through the waters on the 7th. Moderate instability ahead of the front caused some thunderstorms to produce

Page 3 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
gusty winds.				
FIDAL POTOMAC INDIAN HD TO COE	BB IS MD COUNTY 11.6 NNE QUAN	TICO [38.64, -77.20		Marine There have been Mind (MO 00 II)
	08/09/11 16:33 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	08/09/11 16:33 EST		0	Source: Mesonet
Nind gusts up to 36 knots were reporte	ed at Mason Neck.			
TIDAL POTOMAC KEY BRIDGE TO IN	IDIAN HD MD COUNTY 3.8 S WEST	POTOMAC HIGH S	SCHOOL [38.73, -7	77.07]
	08/09/11 16:40 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	08/09/11 16:40 EST		0	Source: Buoy
wind gust of 35 knots was reported a	at the Upper Potomac Buoy.			
A cold front passed through the wate justy winds.	rs on the 9th. Moderate instability ahe	ead of the front cau	ised a few thunde	erstorms to produce
	IDIAN HD MD COUNTY 0.7 E (DCA)	REAGAN NATIONA	AL AIRPORT [38.8	5, -77.03]
	08/13/11 11:51 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	08/13/11 11:51 EST		0	Source: ASOS
A wind gust of 34 knots was measured	at the Reagan National Airport.			
TIDAL POTOMAC KEY BRIDGE TO IN	IDIAN HD MD COUNTY 0.5 W WASI	HINGTON NATIONA	ALS PARK [38.87,	-77.02]
	08/13/11 11:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/13/11 12:00 EST		0	Source: Buoy
PATAPSCO RIVER INCLUDING BALT	**************************************	V MARYLAND SCIE	ENCE CENTER [39 0 0	2.28, -76.61]  Marine Thunderstorm Wind (EG 34 kt)  Source: Mesonet
	08/13/11 13:19 EST 08/13/11 13:19 EST		0	Marine Thunderstorm Wind (EG 34 kt)
Wind gusts in excess of 30 knots were	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya	ards.	0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Nind gusts in excess of 30 knots were A stationary boundary remained over	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya	ards.	0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Nind gusts in excess of 30 knots were A stationary boundary remained over hunderstorms to produce gusty wind	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.	ards. : instability ahead o	0 0 of the stationary b	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Wind gusts in excess of 30 knots were  A stationary boundary remained over thunderstorms to produce gusty wind	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya	ards. : instability ahead o	0 0 of the stationary b	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Wind gusts in excess of 30 knots were  A stationary boundary remained over thunderstorms to produce gusty wind	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN	ards. : instability ahead o	0 0 of the stationary b 4, -76.32]	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  oundary caused a few
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty winc CHESAPEAKE BAY DRUM PT TO SMI	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Yar the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST	ards. : instability ahead o	0 0 of the stationary b 4, -76.32]	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  roundary caused a few  Marine Thunderstorm Wind (MG 36 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Yar the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST	ards. · instability ahead o	0 0 of the stationary b 4, -76.32] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  roundary caused a few  Marine Thunderstorm Wind (MG 36 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.	ards. · instability ahead o	0 0 of the stationary b 4, -76.32] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  roundary caused a few  Marine Thunderstorm Wind (MG 36 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over chunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI	08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.	ards. · instability ahead o	0 0 0 <b>of the stationary b</b> <b>4, -76.32]</b> 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  roundary caused a few  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST	ards. · instability ahead o	0 0 0 <b>of the stationary b</b> <b>4, -76.32]</b> 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported TIDAL POTOMAC INDIAN HD TO COB	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Yar the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST	ards. instability ahead o	0 0 0 <b>of the stationary b</b> <b>4, -76.32]</b> 0 0 <b>76.95]</b> 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported TIDAL POTOMAC INDIAN HD TO COB	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST	ards. instability ahead o	0 0 0 <b>of the stationary b</b> <b>4, -76.32]</b> 0 0 <b>76.95]</b> 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
Wind gusts in excess of 30 knots were A stationary boundary remained over hunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported TIDAL POTOMAC INDIAN HD TO COB	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST reported at Monroe Creek.	ards. instability ahead o	0 0 0 of the stationary b 4, -76.32] 0 0 76.95] 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Wind gusts in excess of 30 knots were A stationary boundary remained over thunderstorms to produce gusty wind CHESAPEAKE BAY DRUM PT TO SMI Wind gust up to 36 knots were reported TIDAL POTOMAC INDIAN HD TO COB Wind gusts in excess of 30 knots were CHESAPEAKE BAY DRUM PT TO SMI	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST reported at Monroe Creek.  ITH PT VA COUNTY 0.8 SSW PATU 08/14/11 20:30 EST 08/14/11 20:30 EST	ards. instability ahead o	0 0 0 14, -76.32] 0 0 76.95] 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt)
Wind gusts in excess of 30 knots were  A stationary boundary remained over thunderstorms to produce gusty wind  CHESAPEAKE BAY DRUM PT TO SMI  Wind gust up to 36 knots were reported  TIDAL POTOMAC INDIAN HD TO COE  Wind gusts in excess of 30 knots were  CHESAPEAKE BAY DRUM PT TO SMI  A wind gust of 39 knots was reported a	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST reported at Monroe Creek.  ITH PT VA COUNTY 0.8 SSW PATU 08/14/11 20:30 EST 08/14/11 20:30 EST	ards. instability ahead of the control of the contr	0 0 0 14, -76.32] 0 0 76.95] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt)
Wind gusts in excess of 30 knots were  A stationary boundary remained over thunderstorms to produce gusty wind  CHESAPEAKE BAY DRUM PT TO SMI  Wind gust up to 36 knots were reported  TIDAL POTOMAC INDIAN HD TO COE  Wind gusts in excess of 30 knots were  CHESAPEAKE BAY DRUM PT TO SMI  A wind gust of 39 knots was reported a	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST reported at Monroe Creek.  ITH PT VA COUNTY 0.8 SSW PATU 08/14/11 20:30 EST 08/14/11 20:30 EST 08/14/11 20:30 EST	ards. instability ahead of the control of the contr	0 0 0 14, -76.32] 0 0 76.95] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt) Source: ASOS
Wind gusts in excess of 30 knots were  A stationary boundary remained over thunderstorms to produce gusty wind  CHESAPEAKE BAY DRUM PT TO SMI  Wind gust up to 36 knots were reported  TIDAL POTOMAC INDIAN HD TO COE  Wind gusts in excess of 30 knots were  CHESAPEAKE BAY DRUM PT TO SMI  A wind gust of 39 knots was reported a	08/13/11 13:19 EST 08/13/11 13:19 EST 08/13/11 13:19 EST estimated at Oriole Park at Camden Ya the waters during the 13th. Moderate ds.  ITH PT VA COUNTY 0.2 WNW POIN 08/14/11 09:15 EST 08/14/11 09:20 EST d at Point Lookout.  BB IS MD COUNTY 0.1 NNE MONRO 08/14/11 20:15 EST 08/14/11 20:20 EST reported at Monroe Creek.  ITH PT VA COUNTY 0.8 SSW PATU 08/14/11 20:30 EST 08/14/11 20:30 EST	ards. instability ahead of the control of the contr	0 0 0 14, -76.32] 0 0 76.95] 0 0 S [38.28, -76.41] 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 39 kt)

Page 4 of 40 Printed on: 11/16/2011

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

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/14/11 21:22 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/14/11 21:22 EST		0	Source: ASOS
wind gust in excess of 30 knots was rep	ported at the Reagan National Airport			
ANGIER SOUND AND THE INLAND WA		ORTH ISLAND CO		
	08/14/11 22:06 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	08/14/11 22:06 EST		0	Source: Mesonet
A wind gust of 34 knots was reported at B	Bishops Head.			
CHESAPEAKE BAY DRUM PT TO SMITH	H PT VA COUNTY 0.4 SSW SMITH 08/14/11 22:07 EST	I ISLAND [37.98, -	<b>76.04]</b>	Marine Thunderstorm Wind (MG 36 kt)
	08/14/11 22:07 EST		0	Source: Mesonet
A wind gust of 36 knots was measured at	Smith Island.			
ANGIER SOUND AND THE INLAND WA	ATERS SURROUNDING BLOODSWO	ORTH ISLAND CO	JNTY 0.3 SSE C	CRISFIELD [37.97, -75.88]
	08/14/11 22:28 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/14/11 22:28 EST		0	Source: Mesonet
A wind gust of 37 knots was reported at C	Crisfield.			
CHESAPEAKE BAY N BEACH TO DRUN	1 PT MD COUNTY 0.3 E CHESAPI 08/14/11 22:45 EST	EAKE BEACH [38.	<b>69</b> , - <b>76</b> . <b>53</b> ]	Marina Thunderstorm Wind /EO 24 l4\
	08/14/11 22:45 EST		0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
	00/14/11 22.40 201		Ü	Course. Wesonet
A wind gust in excess of 30 knots was rep	ported at the Chesapeake Rod N Ree	el. 		
CHESAPEAKE BAY SANDY PT TO N BE	EACH MD COUNTY 0.4 SE TOLLY 08/14/11 22:56 EST	POINT [38.94, -76	. <b>44]</b> 0	Marine Thunderstorm Wind (MG 36 kt)
	08/14/11 22:56 EST		0	Source: Mesonet
A wind gust of 36 knots was reported at T	folly Point			
t wind gust of oo know was reported at 1	ony i onit.			
CHESAPEAKE BAY SANDY PT TO N BE	EACH MD COUNTY THOMAS POIL 08/14/11 23:00 EST	NT LIGHT [38.90, -	<b>76.44]</b> 0	Marine Thunderstorm Wind (MG 46 kt)
	08/14/11 23:00 EST		0	Source: Buoy
A wind gust of 46 knots was massured at	the Thomas Doint Lighthouse			•
A wind gust of 46 knots was measured at	the Thomas Point Lighthouse.			
An upper-level trough was over the wate to develop. A surface trough triggered s instability.			_	-
CHESAPEAKE BAY DRUM PT TO SMITH	H PT VA COUNTY 0.4 SSW SMITH 08/15/11 15:47 EST	I ISLAND [37.98, -	<b>76.04]</b>	Marine Thunderstorm Wind (EG 34 kt)
	08/15/11 15:47 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was me	easured Smith Island.			
TIDAL POTOMAC INDIAN UD TO COPP	IS MD COUNTY 44 6 NNE OUAN	TICO 138 64 77 24	<b>11</b>	
TIDAL POTOMAC INDIAN HD TO COBB	08/15/11 18:28 EST	1100 [30.04, -//.20	ני 0	Marine Thunderstorm Wind (EG 34 kt)
	08/15/11 18:28 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was me	easured at Mason Neck.			
An upper-level trough triggered shower	s and thunderstorms over the water	rs. A few thunders	torms were able to	o produce gusty winds.
PATAPSCO RIVER INCLUDING BALTIM	ORE HARBOR COUNTY 0.3 S BA	LTIMORE CITY [3	9.28, -76.59]	
	08/17/11 17:35 EST		0	Marine Thunderstorm Wind (MG 38 kt)

08/17/11 17:35 EST

Page 5 of 40 Printed on: 11/16/2011

Source: Mesonet

A wind gust of 38 knots was measured at Tide A trough of low pressure triggered a few sh winds.  PATAPSCO RIVER INCLUDING BALTIMORE			Crop Dmg	
winds.	owers and thunderstorms over the			
PATAPSCO RIVER INCLUDING BALTIMORE		ne waters. An iso	plated thunderstor	m produced gusty
		TIMORE CITY [3		Marine Thursdoorters Wind (FC 2414)
	08/18/11 16:34 EST 08/18/11 16:49 EST		0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
			O	Jource. Mesonet
A wind gust in excess of 30 knots was reporte	ed at Tide Point.			
PATAPSCO RIVER INCLUDING BALTIMORE		RIVIERA BEACH		
	08/18/11 18:30 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	08/18/11 18:36 EST		0	Source: Buoy
A wind gust of 41 knots was reported at the B	altimore Key Bridge.			
A southerly flow around high pressure off the with colder air aloft associated with an upper few were able to produce gusty winds over	er-level trough to produce moder			
CHESAPEAKE BAY N BEACH TO DRUM PT	<del>-</del>	3.43, -76.39]		
	08/19/11 14:48 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	08/19/11 14:48 EST		0	Source: Buoy
A wind gust of 46 knots was measured at Cov	ve Point.			
TIDAL POTOMAC COBB IS MD TO SMITH P	T VA COUNTY 18.2 WNW PINE	Y POINT [38.25,	-76.83]	
	08/19/11 16:05 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/19/11 16:05 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measu	red at Cobb Point.			
CHESAPEAKE BAY SANDY PT TO N BEACH	H MD COUNTY THOMAS POIN	T LIGHT [38.90, -	76.44]	
	08/19/11 18:00 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	08/19/11 18:00 EST		0	Source: Buoy
A wind gust of 36 knots was measured at the	Thomas Point Lighthouse.			
CHESAPEAKE BAY SANDY PT TO N BEACH	H MD COUNTY 4.3 WNW STEV	ENSVILLE [39.01	I76.401	
	08/19/11 18:04 EST	•	0	Marine Thunderstorm Wind (EG 34 kt)
	08/19/11 18:04 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was reporte	ed at Sandy Point.			
CHESAPEAKE BAY SANDY PT TO N BEACH	AMD COUNTY 0 4 SE TOLLY	OINT 128 04 70	441	
ONESAFEARE DAT SANDT PT TO N BEACT	08/19/11 18:16 EST	- OINT [30.94, -/6	0 0	Marine Thunderstorm Wind (MG 34 kt)
	08/19/11 18:16 EST		0	Source: Mesonet
A code of court of OAT	y Point.			
A wind gust of 34 knots was measured at Toll		VILLE [38.98, -76	5.33]	
	H MD COUNTY 0.2 S STEVENS		0	M : TI I I I I I I I I I I I I I I I I I
	H MD COUNTY 0.2 S STEVENS 08/19/11 18:18 EST		O	Marine Thunderstorm Wind (EG 34 kt)
A wind gust of 34 knots was measured at Toll  CHESAPEAKE BAY SANDY PT TO N BEACH			0	Source: AWOS
CHESAPEAKE BAY SANDY PT TO N BEACH	08/19/11 18:18 EST 08/19/11 18:18 EST			
CHESAPEAKE BAY SANDY PT TO N BEACH	08/19/11 18:18 EST 08/19/11 18:18 EST red at the Stevensville Airport.	FAGAN NATIONA	0	Source: AWOS
	08/19/11 18:18 EST 08/19/11 18:18 EST red at the Stevensville Airport.	EAGAN NATIONA	0	Source: AWOS

A wind gust of 38 knots was measured at the Reagan National Airport.

Page 6 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY SANDY PT TO I	N BEACH MD COUNTY 12.7 SSW THO	MAS POINT LIGH	T [38.73, -76.54]	
	08/19/11 18:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/19/11 18:40 EST		0	Source: Mesonet
wind gust in excess of 30 knots wa	s measured at the Herring Bay.			
HESAPEAKE BAY N BEACH TO D	RUM PT MD COUNTY 1.4 E CHESAPE	AKE BEACH [38.	69, -76.51]	
	08/19/11 18:50 EST		0	Marine Thunderstorm Wind (EG 35 kt)
	08/19/11 19:19 EST		0	Source: Mesonet
wind gust was estimated around 35	5 knots near the Chesapeake Rod N Reel.			
CHESAPEAKE BAY SANDY PT TO I	N BEACH MD COUNTY THOMAS POIN	IT LIGHT [38.90, -	76.44]	
	08/19/11 19:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/19/11 19:00 EST		0	Source: Buoy
wind gust in excess of 30 knots wa	s measured at the Thomas Point Lighthou	se.		
- · · · - · · · · · · · · · · · · · · ·	d air aloft while warm and moist air rema d evening hours. Some thunderstorms th			-
ATAPSCO RIVER INCLUDING BAL	TIMORE HARBOR COUNTY 1.1 SE BA	ALTIMORE CITY [	39.27, -76.58]	
	08/21/11 12:06 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	08/21/11 12:54 EST		0	Source: Buoy
Vind gusts up to 42 knots were meas	sured at the Baltimore Buoy.			
PATAPSCO RIVER INCLUDING BAL	TIMORE HARBOR COUNTY 4.7 SE BA	ALTIMORE CITY [		
	08/21/11 12:30 EST		0	Marine Hail (1.25 in)
	08/21/11 12:30 EST		0	Source: Unknown
Half dollar sized hail was estimated.				
PATAPSCO RIVER INCLUDING BAL	TIMORE HARBOR COUNTY 4.3 NNW	RIVIERA BEACH	[39.22, -76.53]	
	08/21/11 12:36 EST		0	Marine Thunderstorm Wind (MG 53 kt)
	08/21/11 13:00 EST		0	Source: Buoy
Vind gusts between 36 and 53 knots	were measured at the Baltimore Key Brid	ge.		
PATAPSCO RIVER INCLUDING BAL	TIMORE HARBOR COUNTY 4.7 SE BA	AI TIMORE CITY !	39 24 -76 521	
ATAL OOO RIVER INCLUDING BAL	08/21/11 12:40 EST	ALTIMONE ON I	0	Marine Hail (1.00 in)
	08/21/11 12:40 EST		0	Source: Unknown
Quarter sized hail was estimated.				
DATABECO DIVED INC. LIDING BAL	TIMODE HADDOD COUNTY 40 ME DE	MEDA DEACUE	0.24 76 441	
FATAPOCO RIVER INCLUDING BAL	_TIMORE HARBOR COUNTY 4.8 NE RI 08/21/11 13:20 EST	IVICKA BEACH [3	9.21, -76.44] 0	Marine Thunderstorm Wind (EG 52 kt)
	08/21/11 13:20 EST		0	Source: Unknown
Vind gusts were estimated to be aro	und 52 knots based on thunderstorm wind	damage nearby.		
CHESAPEAKE BAY POOLES IS TO	SANDY PT MD COUNTY 6.7 ENE BAL	TIMORE APPROA		
	08/21/11 13:54 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	08/21/11 14:06 EST		0	Source: Mesonet
Nind gusts up to 42 knots were meas	sured at Tolchester Beach.			
TIDAL POTOMAC COBB IS MD TO S	SMITH PT VA COUNTY 18.2 WNW PINI	EY POINT [38.25,	-76.83]	
	08/21/11 16:20 EST	- ,	0	Marine Thunderstorm Wind (EG 34 kt)
	00/04/44 46:20 FCT		0	Courses Managed

08/21/11 16:30 EST

Page 7 of 40 Printed on: 11/16/2011

Source: Mesonet

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Vind gusts in excess of 30 knots w	rere reported at Cobb Point.	-		
ANGIER SOUND AND THE INLAM	ND WATERS SURROUNDING BLOODSWO	ORTH ISLAND CO		
	08/21/11 16:41 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/21/11 16:41 EST		0	Source: Mesonet
Vind gusts in excess of 30 knots w	rere reported at Raccoon Point.			
	rs from the Ohio Valley on the 21st. Warm s ahead of the cold front produced gusty		ead of the bounda	ry caused an unstable
FIDAL POTOMAC INDIAN HD TO	COBB IS MD COUNTY 0.1 NNE MONRO	DE CREEK [38.23,	-76.95]	
	08/25/11 15:50 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	08/25/11 15:55 EST		0	Source: Mesonet
/ind gusts between 47 and 49 kno	ots were measured at Monroe Creek.			
IDAL POTOMAC INDIAN HD TO (	COBB IS MD COUNTY 1.1 E BABAR PO	DINT [38.31, -77.01	1	
	08/25/11 16:05 EST		0	Marine Thunderstorm Wind (EG 52 kt)
	08/25/11 16:25 EST		0	Source: Mesonet
Vind gusts up to 52 knots were est	timated near Baber Point.			
TIDAL POTOMAC INDIAN HD TO	COBB IS MD COUNTY 8.3 W ROUTE 30	11 BRIDGE [38.37,	-77.17]	
	08/25/11 16:09 EST	• •	0	Marine Thunderstorm Wind (EG 56 kt)
	08/25/11 16:09 EST		0	Source: Unknown
Vind gusts around 56 knots were e	estimated due to thunderstorm wind damage	e nearby.		
TIDAL POTOMAC INDIAN HD TO	COBB IS MD COUNTY 0.2 W POTOMAC	C LIGHT [38.34, -76	5.99]	
	08/25/11 16:14 EST		0	Marine Thunderstorm Wind (MG 56 kt)
	08/25/11 16:35 EST		0	Source: Mesonet
Nind gusts between 35 and 56 kno	ots were measured at the Potomac Lighthou	use.		
TIDAL POTOMAC INDIAN HD TO	COBB IS MD COUNTY 0.3 N CUCKOLD	CREEK [38.31, -7	6.931	
	08/25/11 16:22 EST	•	0	Marine Thunderstorm Wind (MG 36 kt)
	08/25/11 16:22 EST		0	Source: Mesonet
A wind gust of 36 knots was measu	red at Cuckold Creek.			
TIDAL POTOMAC CORR IS ME TO	O SMITH PT VA COUNTY 18.2 WNW PIN	JEV DOINT 139 35	_76 831	
IDAL FOTOMIAG GODD IS MID TO	08/25/11 16:30 EST	4L1 FORMI [30.25,	0	Marine Thunderstorm Wind (MG 55 kt)
	08/25/11 16:45 EST		0	Source: Mesonet
Vind gusts between 35 and 55 kno	ots were reported at Cobb Point.			
IDAL POTOMAC CORR IS MD TO	O SMITH PT VA COUNTY PINEY POINT	[38.1376 53]		
	08/25/11 16:54 EST	[-0.10, -10.00]	0	Marine Thunderstorm Wind (MG 40 kt)
	08/25/11 17:30 EST		0	Source: Mesonet
Vind gusts up to 40 knots were me	easured at Piney Point.			
ATUXENT RIVER TO RECOMES	ISLAND MD COUNTY 0.2 SSW CHESA	PEAKE BIOLOGIC	ALLARORATOR	Y [38 32 -76 45]
ATOMENT RIVER TO DROUBLES	08/25/11 17:12 EST	. LAKE BIOLOGIC	0	Marine Thunderstorm Wind (MG 47 kt)
	08/25/11 17:18 EST		0	Source: Buoy
Nind gusts between 38 and 47 kno	ots were measured at Solomons Island.			•
HESAPEAKE BAY DRUM PT TO	SMITH PT VA COUNTY 1.4 ESE PATUX 08/25/11 17:13 EST	XENT RIVER ASOS	<b>3 [38.29</b> , <b>-76.39]</b>	Marine Thunderstorm Wind (EG 49 kt)
	09/25/11 17:12 FCT		0	Courses ACOC

08/25/11 17:13 EST

Page 8 of 40 Printed on: 11/16/2011

Source: ASOS

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
wind gust of 49 knots was estimated ne	ear the Patuxent River Air Station.			
HESAPEAKE BAY N BEACH TO DRUM	M PT MD COUNTY COVE POINT [:	38.43, -76.39]		
	08/25/11 17:24 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/25/11 17:24 EST		0	Source: Buoy
wind gust of 37 knots was measured at	t Cove Point.			
CHESAPEAKE BAY DRUM PT TO SMITI	H PT VA COUNTY 0.2 WNW POIN	T LOOKOUT [38.0	14, -76.32]	
	08/25/11 17:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/25/11 17:55 EST		0	Source: Mesonet
Vind gusts in excess of 30 knots was me	easured at Point Lookout.			
ANGIER SOUND AND THE INLAND WA	ATERS SURROUNDING BLOODSWO	ORTH ISLAND CO	UNTY 0.1 NE BI	SHOPS HEAD [38.22, -76.04]
	08/25/11 17:42 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	08/25/11 18:36 EST		0	Source: Mesonet
Vind gusts up to 40 knots were measure	d at Bishops Head.			
TANGIER SOUND AND THE INLAND WA	ATERS SURROUNDING BLOODSWO	ORTH ISLAND CO	UNTY 0.5 E BIS	HOPS HEAD [38.22, -76.03]
	08/25/11 17:45 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	08/25/11 17:45 EST		0	Source: Mesonet
wind gust of 48 knots was measured at	Bishops Head.			
ANGIER SOUND AND THE INLAND WA		ORTH ISLAND CO		
	08/25/11 18:08 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/25/11 18:08 EST		0	Source: Mesonet
wind gust in excess of 30 knots was me	easured at Solomons Island.			
ANGIER SOUND AND THE INLAND WA		ORTH ISLAND CO		
	08/25/11 18:17 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	08/25/11 18:17 EST		0	Source: Mesonet
A wind gust of 39 knots was measured at	Crisfield.			
ANGIER SOUND AND THE INLAND WA		ORTH ISLAND CO		
	08/25/11 18:30 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/25/11 18:30 EST		0	Source: Mesonet
wind gust in excess of 30 knots was me	easured at Raccoon Point.			
TANGIER SOUND AND THE INLAND WA		ORTH ISLAND CO		
	08/25/11 18:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	08/25/11 18:36 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was me	easured at Bishops Head.			

A tree was down in the Friendship Heights area.

DISTRICT OF COLUMBIA COUNTY --- 0.9 WNW TENLEYTOWN [38.96, -77.08]

08/21/11 14:04 EST

08/21/11 14:04 EST

DISTRICT OF COLUMBIA

Page 9 of 40 Printed on: 11/16/2011

Source: Public

Thunderstorm Wind (EG 50 kt)

0

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DISTRICT OF COLUMBIA COUNTY 1.6 N TE	NI EVTOWN [38 97 -77 06]			
DISTRICT OF GOLDMINA GOORTT 1.0 N TE	08/21/11 14:12 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/21/11 14:12 EST		0	Source: Emergency Manager
A tree was down on Utah Avenue Northwest.				
A cold front approached the area from the Ohi atmosphere. A couple thunderstorms ahead o	<del>-</del>		I of the boundary o	caused an unstable
(DC-Z001) DISTRICT OF COLUMBIA				
DC-2001) DISTRICT OF COLUMBIA	08/27/11 15:00 EST		2.40M	Tropical Storm
	08/28/11 09:00 EST		0	
58 millibars and maximum sustained winds wonditions across Washington DC during the he highest rainfall total was 4.44 inches at the 4.44 million dollars in damage.	afternoon hours of the 27th ar	nd lasting into the	early morning ho	ours of the 28th.
DISTRICT OF COLUMBIA COUNTY 1.2 NW	ANACOSTIA [38.88, -76.99], 1.:	3 W ANACOSTIA	[38.87, -76.99], 0.1	SSE US CAPITOL [38.88, -77.02],
0.5 NNW US CAPITOL [38.89, -77.02]	08/28/11 01:30 EST		0	Flood (due to Heavy Rain)
	08/28/11 07:00 EST		0	Source: Department of Highways
Portions of the Southeast and Southwest Freew 3.31 inches.	ays were closed due to high sta	anding water. Rai	nfall amounts near	this area were reported as high as
Hurricane Irene tracked up the Mid-Atlantic Co and her rainbands fell over the District of Colu	<del>-</del>	=	=	
and her rainbands fell over the District of Colu The highest rainfall total reported in the Distri	ımbia. By early morning on th	ne 28th, flooding	occurred on the sa	
and her rainbands fell over the District of Colu The highest rainfall total reported in the Distri	ımbia. By early morning on th ct of Columbia was 4.44 inche	ne 28th, flooding	occurred on the sa	
and her rainbands fell over the District of Colu The highest rainfall total reported in the Distri	imbia. By early morning on th ct of Columbia was 4.44 inche ege PARK [38.99, -76.94]	ne 28th, flooding	occurred on the sa	aturated ground in the area.
and her rainbands fell over the District of Colu The highest rainfall total reported in the Distri	ımbia. By early morning on th ct of Columbia was 4.44 inche	ne 28th, flooding	occurred on the sa	
and her rainbands fell over the District of Columbia the highest rainfall total reported in the District of Columbia the highest rainfall total reported in the District of Columbia the highest rainfall total reported in the District of Columbia the highest rainfall total reported in the District of Columbia the highest rainfall reported in the District of Columbia the highest rainfall reported in the District of Columbia the highest rainfall reported in the District of Columbia the highest rainfall reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the District of Columbia the Highest rainfall total reported in the Highest rainfall reported in the Highest	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:32 EST	ne 28th, flooding	occurred on the sa Arboretum.	Hail (1.00 in)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:32 EST	ne 28th, flooding	occurred on the sa Arboretum.	Hail (1.00 in)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:32 EST	ne 28th, flooding	occurred on the sa Arboretum.	Hail (1.00 in)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.	Hail (1.00 in) Source: Trained Spotter
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in co	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:32 EST 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE PRINCE GEORGE'S COUNTY 0.7 NE COLLE	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in co	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt)
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in co	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in company to the control of the country 1.5 NNW BRANCE GEORGE'S COUNTY 1.5 NNW BRANCE GEORGE GEO	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST 08/01/11 16:38 EST	ne 28th, flooding	Occurred on the sa Arboretum.  0 0 0	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in countries of the prince GEORGE'S COUNTY 1.5 NNW BRANCE GEORGE GEOR	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.  0 0 0	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in countries of the prince GEORGE'S COUNTY 1.5 NNW BRANCE GEORGE GEOR	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.  0 0 0	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
MARYLAND, Central  PRINCE GEORGE'S COUNTY 0.7 NE COLLE PRINCE GEORGE'S COUNTY 0.7 NE COLLE  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  PRINCE GEORGE'S COUNTY 0.7 NE COLLE  Tree branches that were two to three inches in contracts.	EGE PARK [38.99, -76.94] 08/01/11 16:32 EST	ne 28th, flooding	Occurred on the sa Arboretum.  0 0 0 1 K 0	Hail (1.00 in) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) Source: Other Federal Agency

A tree was toppled over a vehicle along Oakside Lane.

CHARLES COUNTY --- 0.5 SSW MASON SPGS [38.57, -77.12]

Page 10 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/01/11 16:51 EST		3K	Thunderstorm Wind (EG 50 kt)
	08/01/11 16:51 EST		0	Source: State Official
Trees were down along Gilwell Place.				
CHARLES COUNTY 0.2 SW BRYANS ROA	AD [38.63, -77.07] 08/01/11 16:53 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/01/11 16:53 EST		0	Source: State Official
A trans uses down at the Cofession Characters along			v	Source, State Silvia.
A tree was down at the Safeway Store along N	Mattnews Road.			
CHARLES COUNTY 1.0 NNE MC CONCHI				
	08/01/11 17:03 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/01/11 17:03 EST		0	Source: State Official
A tree was down along Ironsides Road.				
CHARLES COUNTY 1.0 NNE MC CONCHI	E [38.51, -77.06]			
	08/01/11 17:03 EST		2K	Thunderstorm Wind (EG 50 kt)
	08/01/11 17:03 EST		0	Source: State Official
Trees were down near the intersection of Burd	ch Road and Poorhouse Road.			
MONTGOMERY COUNTY 1.5 E ASHTON [	39.15, -76.99]			
	08/01/11 17:17 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:17 EST		0	Source: Public
A tree that was two feet in diameter was block	ing the road.			
MONTGOMERY COUNTY 1.2 NNE EDNOR	R [39.15, -76.99]			
	08/01/11 17:18 EST		0	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:18 EST		0	Source: Trained Spotter
Multiple small branches were down.				
MONTGOMERY COUNTY 1.6 NNE EDNOR	R [39.15, -76.99]			
	08/01/11 17:18 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:18 EST		0	Source: Trained Spotter
A tree that was twelve inches in diameter was	blocking Tucker Lane.			
ANNE ARUNDEL COUNTY 0.5 SSW DEAL	E [38.77, -76.55]			
	08/01/11 17:32 EST		0	Thunderstorm Wind (EG 50 kt)
	08/01/11 17:32 EST		0	Source: Trained Spotter
Several tree branches were down.				
ANNE ARUNDEL COUNTY 0.4 WNW LEIT	CH [38.77, -76.58]			
THE PROPERTY OF THE LEFT	08/01/11 17:35 EST		0	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:35 EST		0	Source: Public
Part of a large maple tree was blown down.				
ANNE ARUNDEL COUNTY 0.6 NNE NUTW	/ELL [38.7976.58]			
	08/01/11 17:35 EST		2K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:35 EST		0	Source: Public
Numerous poplar trees were torn off at the top	).			
ANNE ARUNDEL COUNTY 0.7 N NUTWEL	L [38.7976 58]			
AND AND THE COOK! I U. IN NO I WEL	08/01/11 17:35 EST		5K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:35 EST		0	Source: Public

Page 11 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Several trees were down including larg	ge trees completely blocking Rockhold C	reek Road.		
CALVERT COUNTY 0.5 W NORTH	BEACH [38.70, -76.54]			
	08/01/11 18:40 EST		1K	Thunderstorm Wind (EG 61 kt)
	08/01/11 18:40 EST		0	Source: State Official
A tree was down near the intersection	of MD 260 and G Street.			
CALVERT COUNTY 0.4 NNW CHE	SAPEAKE BEACH [38.69, -76.53]			
	08/01/11 18:42 EST		0.10M	Thunderstorm Wind (EG 61 kt)
	08/01/11 18:42 EST	2	0	Source: State Official
Trees were across Chesapeake Beach	h. A tree fell onto a house and another tr	ee fell onto a car.	There were two mir	nor injuries due to the fallen trees.
CALVERT COUNTY 0.6 NNW NOR	TH BEACH [38.71, -76.53]			
	08/01/11 18:43 EST		2K	Thunderstorm Wind (EG 56 kt)
	08/01/11 18:43 EST		0	Source: Public
I arge limbs that were six inches in dia	ameter were blown down. A large wooder	n fence was also h	lown down in North	n Beach
		THE TOTAL WAS AISO D	IOWIT GOWIT III INOI (I	i Bodori.
CALVERT COUNTY 0.7 SSW NOR			•	
	08/01/11 18:45 EST		0	Thunderstorm Wind (MG 63 kt)
	08/01/11 18:45 EST		0	Source: Mesonet
between these two systems caused of aloft to produce moderate amounts of	at Chesapeake Beach.  ver the southern Plains while an upper- colder air aloft to move overhead. Warr of instability. A pressure trough at the s understorms to produce damaging win	m and moist air at surface caused sh	the surface comb	ined with the colder air
An upper-level ridge was centered or between these two systems caused or aloft to produce moderate amounts or Moderate instability caused some the	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the s understorms to produce damaging win	m and moist air at surface caused sh	the surface comb	ined with the colder air
An upper-level ridge was centered ov between these two systems caused o aloft to produce moderate amounts o	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the s understorms to produce damaging win	m and moist air at surface caused sh	the surface comb	ined with the colder air
An upper-level ridge was centered or between these two systems caused or aloft to produce moderate amounts or Moderate instability caused some the	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the s understorms to produce damaging win	m and moist air at surface caused sh	the surface comb nowers and thunde hail.	ined with the colder air erstorms to develop.
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL A	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the s understorms to produce damaging win AIR [39.54, -76.36] 08/02/11 23:54 EST	m and moist air at surface caused sh nd gusts and large	the surface comb nowers and thunded hail.  0.10M	restorms to develop.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL A	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST 08/02/11 23:54 EST	m and moist air at surface caused sh nd gusts and large	the surface comb nowers and thunded hail.  0.10M	restorms to develop.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL A	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST 08/02/11 23:54 EST	m and moist air at surface caused sh nd gusts and large	the surface comb nowers and thunded hail.  0.10M	restorms to develop.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL A	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST 08/02/11 23:54 EST 0ped between Vale Road and Williams St	m and moist air at surface caused sh nd gusts and large	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL A	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST	m and moist air at surface caused sh nd gusts and large	the surface comb nowers and thunded hail.  0.10M 0  re damaged by fall  10K	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt)
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snap HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall  10K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snap HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall A pressure trough was located over the state of	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the sunderstorms to produce damaging win AIR [39.54, -76.36]  08/02/11 23:54 EST  09/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST  08/02/11 23:54 EST	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall  10K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snap HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall A pressure trough was located over the state of	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall  10K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snaphare the HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall Apressure trough was located over through caused a couple thunderstore.	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall  10K 0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snaphare the HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall Apressure trough was located over trough caused a couple thunderstore.	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST  1 Street.  Maryland during the nighttime and earlings to produce damaging wind gusts.	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0  re damaged by fall  10K 0  of the 2nd and 3rd	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMANY large trees were down and snaphare the HARFORD COUNTY 1.1 NNW BEL Many large trees were down near Hall Apressure trough was located over trough caused a couple thunderstore.	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  Oped between Vale Road and Williams St.  AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  1 Street.  Maryland during the nighttime and earlims to produce damaging wind gusts.  E SEVERN [39.13, -76.69]  08/09/11 15:43 EST  08/09/11 15:43 EST	m and moist air at surface caused sh id gusts and large treet. Five cars we	the surface comb nowers and thunded hail.  0.10M 0 re damaged by fall  10K 0 of the 2nd and 3rd	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager In thunderstorm Wind (EG 56 kt) Source: Emergency Manager I. Instability ahead of the
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMAIN LATER WEEK WAS BELLED WAS LATER WAS LOCATED TO SHOW THE WAS LOCATED WAS LOC	ver the southern Plains while an upper colder air aloft to move overhead. Warn of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  Oped between Vale Road and Williams St.  AIR [39.54, -76.36]  08/02/11 23:54 EST  08/02/11 23:54 EST  1 Street.  Maryland during the nighttime and earlims to produce damaging wind gusts.  E SEVERN [39.13, -76.69]  08/09/11 15:43 EST  08/09/11 15:43 EST	m and moist air at surface caused shid gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0 re damaged by fall  10K 0  of the 2nd and 3rd	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager  I. Instability ahead of the  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMAIN LATER WEEK WEEK WEEK WEEK WEEK WEEK WEEK WE	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST 08/02/11 23:54 EST 09ed between Vale Road and Williams Stoped	m and moist air at surface caused shid gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0 re damaged by fall  10K 0  of the 2nd and 3rd	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager  I. Instability ahead of the  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
An upper-level ridge was centered on between these two systems caused of aloft to produce moderate amounts of Moderate instability caused some the HARFORD COUNTY 0.9 NW BEL AMAIN LATER WEEL WAS BELLED WAS LATER WAS LOCATED TO SHOW THE WAS LOCATED WAS LOC	ver the southern Plains while an upper colder air aloft to move overhead. Warr of instability. A pressure trough at the sunderstorms to produce damaging wind AIR [39.54, -76.36]  08/02/11 23:54 EST 08/02/11 23:54 EST 09ed between Vale Road and Williams Stoped	m and moist air at surface caused shid gusts and large treet. Five cars we	the surface comb nowers and thunds hail.  0.10M 0 re damaged by fall  10K 0  of the 2nd and 3rd	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager ing trees.  Thunderstorm Wind (EG 56 kt) Source: Emergency Manager  I. Instability ahead of the  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter

A stationary boundary remained over the region during the 13th. Moderate instability ahead of the stationary boundary caused an

isolated thunderstorm to produce damaging wind gusts.

Page 12 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BALTIMORE COUNTY 1.3 WNW WOO	DLAWN [39.33, -76.75], 1.1 NW WO	ODLAWN [39.33, -	-76.75], 0.8 WNW V	VOODLAWN [39.32, -76.75], 1.2 WNW
WOODLAWN [39.33, -76.75]	08/14/11 09:22 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 12:00 EST		0	Source: State Official
The intersection of Rutherford Road and A	Ambassador Road were closed due t	o flash flooding. A	nearby spotter me	easured 3.13 inches of rain.
BALTIMORE COUNTY 0.7 SSW POPL	AR [39.34, -76.45], 0.7 SSW POPLA	R [39.34, -76.46], 0	).4 S POPLAR [39.	34, -76.45], 0.5 S POPLAR [39.34,
-76.45]	00/44/44 40:00 FOT		•	Flood (due to House Bain)
	08/14/11 10:00 EST 08/14/11 12:00 EST		0	Flood (due to Heavy Rain) Source: Fire Department/Rescue
Flooding was reported in the 500 block of		e observed 2.29 inc	-	Source. File Department/Rescue
DALTIMODE COUNTY 2 CANW SDADD	OWE DT 120 20 75 641 4 5 NNW 6	DADDOWE DT 120	20 76 501 2 7 14/	NIM CDADDOMC DT (20 20 - 76 621 2 0
BALTIMORE COUNTY 2.6 NW SPARR NW SPARROWS PT [39.31, -76.63]	OWS PT [39.30, -76.61], 1.5 NNW 5	PARROWS PT [39	1.29, -76.59], 2.7 W	NW SPARROWS PT [39.29, -76.63], 3.8
	08/14/11 11:00 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 13:00 EST		0	Source: Broadcast Media
Numerous high water rescues were perfor	med. A rain gage in the city recorde	ed 2.47 inches.		
FREDERICK COUNTY 0.9 SE ADAMS	FOWN [39.31, -77.47], 0.4 ESE ADAI	MSTOWN [39.32, -	77.47], 0.5 S ADAI	MSTOWN [39.31, -77.48], 0.9 S
ADAMSTOWN [39.31, -77.48]	08/14/11 21:00 EST		0	Flach Flood (due to Heavy Pain)
	08/14/11 23:00 EST		0	Flash Flood (due to Heavy Rain) Source: State Official
	00/14/11 23:00 E31		O	Source. State Official
Several roads were closed due to high wa	ter.			
MONTGOMERY COUNTY 1.1 W PARK PARKWOOD [39.02, -77.10]	WOOD [39.02, -77.10], 0.7 WSW PA	RKWOOD [39.02,	-77.09], 1.0 WSW	PARKWOOD [39.01, -77.10], 1.3 W
	08/14/11 21:00 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 23:00 EST		0	Source: Department of Highways
Portions of Interstate 495 and 270 Intercha	ange were closed due to high water	from Rock Creek.	A nearby rain gage	e recorded 2.40 inches.
	- · · · · · · · · · · · · · · · · · · ·		[39.02, -76.98], 0.	3 NE NORTHWEST PARK [39.02, -76.98],
0.4 SE NORTHWEST PARK [39.02, -76.98		.02, -76.98]	0	Flack Flack (due to Hassy, Dain)
	08/14/11 21:12 EST 08/14/11 23:00 EST		0	Flash Flood (due to Heavy Rain) Source: Department of Highways
	00/14/11 23:00 E31		U	Source. Department or highways
Several lanes of Route 650 were closed a	t Interstate 495. Rainfall in the area	was measured at 2	2.23 inches.	
PRINCE GEORGE'S COUNTY 0.9 SW A	AMMENDALE [39.04, -76.91], 0.5 NV	W BELTSVILLE [39	9.04, -76.91], 0.5 N	NW BELTSVILLE [39.04, -76.90], 0.7
	08/14/11 21:17 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 23:00 EST		0	Source: State Official
The intersection of Baltimore Avenue and	Prince Georges Avenue was closed	due to flooding. A	nearby spotter ob	served 2.82 inches of rain.
MONTCOMEDY COUNTY 0 = 0 0 1 = 1	EDODUDO (20.40, 77.00) 0.5.00	CAITHEDOSHIDS	[20.40. 77.40] 0.0	C CAITUEDEDLIDO (200 40 TZ 00) 0 4
MONTGOMERY COUNTY 0.7 S GAITH SSW GAITHERSBURG [39.13, -77.20]	EKSBUKG [39.12, -77.20], 0.5 SSE	GALIHERSBURG	[39.12, -77.19], 0.2	S GATTHERSBURG [39.13, -77.20], 0.4
0011 0A111ERODORO [03.10, -11.20]	08/14/11 21:30 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 23:00 EST		0	Source: Department of Highways
Southbound Interstate 270 closed near Int	erstate 370 due to high water. A spo	otter nearby measu	ured 3.52 inches of	rain.
PRINCE GEORGE'S COUNTY 0.5 W B	ERWYN [38.98, -76.94], 0.4 WNW BI	ERWYN [38.98, -76	6.94], 0.4 WNW BE	RWYN [38.98, -76.94], 0.5 WNW
BERWYN [38.98, -76.94]		2 -	-	
	08/14/11 21:30 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 23:00 EST		0	Source: Department of Highways

Page 13 of 40 Printed on: 11/16/2011

Location Date/Time Deaths & Property & **Event Type and Details** Iniuries Crop Dmg Southbound Route 1 was closed at College Avenue due to high water. A rain gage nearby measured 2.70 inches. PRINCE GEORGE'S COUNTY --- 1.4 N BRANCHVILLE [39.02, -76.93], 1.6 N BRANCHVILLE [39.02, -76.93], 1.4 N BRANCHVILLE [39.02, -76.93], 1.3 N BRANCHVILLE [39.02, -76.93] 08/14/11 21:30 EST Flash Flood (due to Heavy Rain) 08/14/11 23:00 EST Source: Department of Highways Two lanes of northbound Interstate 95 were closed at Exit 25 due to high water. MONTGOMERY COUNTY --- 0.9 SW PURDUM [39.27, -77.24], 1.1 SSW PURDUM [39.27, -77.24], 1.0 SSW PURDUM [39.27, -77.23], 0.4 S PURDUM [39.27, -77.23] 08/14/11 21:40 EST 0 Flash Flood (due to Heavy Rain) 08/14/11 23:00 EST 0 Source: NWS Employee Water was flowing across a bridge on Kings Valley Road. Rain measured 2.72 inches in 45 minutes. ANNE ARUNDEL COUNTY --- 0.4 ESE ARUNDEL GARDENS [39.20, -76.61], 0.4 ESE ARUNDEL GARDENS [39.20, -76.61], 0.3 ESE ARUNDEL GARDENS [39.20, -76.61], 0.4 ESE ARUNDEL GARDENS [39.20, -76.61] 08/15/11 07:30 EST n Flash Flood (due to Heavy Rain) 08/15/11 09:00 EST 0 Source: State Official One to 1.5 feet of water forced the closure of Ritchie Highway and Shelley Road. A spotter in the area measured 1.36 inches of rain. ANNE ARUNDEL COUNTY --- 0.5 SE NORTH LINTHICUM [39.22, -76.64], 0.5 SE NORTH LINTHICUM [39.22, -76.64], 0.6 SE NORTH LINTHICUM [39.21, -76.64], 0.5 SSE NORTH LINTHICUM [39.21, -76.64] 08/15/11 07:30 EST 0 Flash Flood (due to Heavy Rain) 08/15/11 09:00 EST n Source: State Official Twelve to 18 inches of water forced closure of Belle Grove and Camp Mead Roads. A nearby rain gage measured 1.88 inches. ANNE ARUNDEL COUNTY --- 0.7 N BROOKLYN PARK [39.23, -76.62], 0.3 NNW BROOKLYN PARK [39.22, -76.62], 0.4 NW BROOKLYN PARK [39.23, -76.62], 0.6 NNW BROOKLYN PARK [39.23, -76.62] 08/15/11 07:30 EST 0 Flash Flood (due to Heavy Rain) 0 08/15/11 09:00 EST Source: State Official Twelve to 18 inches of water forced the closure of 10th Avenue and Belle Grove Road. A nearby rain gage tallied 1.68 inches. ANNE ARUNDEL COUNTY --- RAYNOR HGTS [39.22, -76.67], 0.4 NE RAYNOR HGTS [39.22, -76.66], 0.5 NE RAYNOR HGTS [39.23, -76.66], 0.3 N **RAYNOR HGTS [39.22, -76.67]** 08/15/11 07:30 EST 0 Flash Flood (due to Heavy Rain) 08/15/11 09:00 EST 0 Source: State Official One to 1.5 feet of water forced the closed of Nursey Road and Hammonds Ferry Road. A spotter nearby recorded 2.20 inches of rain. BALTIMORE COUNTY --- 0.9 NE BALTIMORE HIGHLANDS [39.24, -76.64], 0.8 NE BALTIMORE HIGHLANDS [39.24, -76.64], 0.8 NE BALTIMORE HIGHLANDS [39.24, -76.64], 0.8 NE BALTIMORE HIGHLANDS [39.24, -76.64] 08/15/11 07:30 EST 0 Flash Flood (due to Heavy Rain) 08/15/11 09:00 EST Source: State Official One to 1.5 feet of water forced the closure of Maple Road and Route 648. A nearby rain gage measured 2.83 inches. BALTIMORE COUNTY --- 1.3 ENE BALTIMORE HIGHLANDS [39.24, -76.63], 1.3 NE BALTIMORE HIGHLANDS [39.24, -76.63], 1.4 NE BALTIMORE HIGHLANDS [39.24, -76.63], 1.5 NE BALTIMORE HIGHLANDS [39.24, -76.63] 08/15/11 08:20 EST Flash Flood (due to Heavy Rain) 0 08/15/11 09:30 FST n Source: Newspaper Over two inches of rain caused an apartment complex to flood. Thirty-four people were rescued by firefighters. BALTIMORE COUNTY --- 3.3 WNW SPARROWS PT [39.28, -76.64], 3.4 WNW SPARROWS PT [39.28, -76.64], 3.5 WNW SPARROWS PT [39.28, -76.64], 3.4 WNW SPARROWS PT [39.28, -76.64] 08/15/11 08:25 EST 0 Flash Flood (due to Heavy Rain)

08/15/11 10:00 EST

Page 14 of 40 Printed on: 11/16/2011

Source: State Official

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
South Gilmore Street was closed due to	o high water.			
	_TIMORE HIGHLANDS [39.24, -76.63], 1	.5 NE BALTIMOR	E HIGHLANDS [39	9.24, -76.63], 1.4 NE BALTIMORE
HIGHLANDS [39.24, -/6.63], 1.3 NE BA	08/15/11 08:30 EST		0	Flash Flood (due to Heavy Rain)
	08/15/11 09:30 EST		0	Source: Department of Highways
West Patapsco Road was closed due to			-	
·				
BALTIMORE COUNTY 2.1 NE BALT [39.25, -76.62], 1.9 NE BALTIMORE HIO	「IMORE HIGHLANDS [39.25, -76.62], 2.2 GHLANDS [39.25, -76.62]	SW SPARROWS	S PT [39.25, -76.61]	J, 2.0 ENE BALTIMORE HIGHLANDS
	08/15/11 08:30 EST		0	Flash Flood (due to Heavy Rain)
	08/15/11 09:30 EST		0	Source: Department of Highways
Reedbird Road was closed due to high	water.			
	LTIMORE HIGHLANDS [39.26, -76.64], 2		RE HIGHLANDS [	39.26, -76.64], 2.3 NNE BALTIMORE
ทเษทLANDS [39.26, -/6.63], 2.1 NNE E	BALTIMORE HIGHLANDS [39.26, -76.64 08/15/11 08:30 EST	1	0	Flash Flood (due to Heavy Rain)
	08/15/11 09:30 EST		0	Source: Department of Highways
Annapolis Road was closed at Watervie	ew Road and Route 295.			
DAI TIMODE COMIEN.	VOVII LE MANGE 100 00			00 00 F 01 T01 01 01 1 T 1 1 1 1 1 1 1 1 1 1 1
BALTIMORE COUNTY 2.7 E CATON [39.30, -76.67], 2.9 E CATONSVILLE M	NSVILLE MANOR [39.30, -76.67], 3.0 E ( IANOR [39.30, -76.67]	JATONSVILLE M.	ANOR [39.30, -76.6	ры, 2.9 E CATONSVILLE MANOR
	08/15/11 08:44 EST		0	Flash Flood (due to Heavy Rain)
	08/15/11 10:00 EST		0	Source: State Official
Bloomingdale Road was closed due to			0	Source: State Official
Bloomingdale Road was closed due to			0	Source: State Official
	high water.	HII I S [30 31 .7		
BALTIMORE COUNTY 3.2 SSE BAF	high water.	HILLS [39.31, -7		Source: State Official  RE HILLS [39.31, -76.65], 3.4 SSE BARE
BALTIMORE COUNTY 3.2 SSE BAF	high water.	HILLS [39.31, -70		
BALTIMORE COUNTY 3.2 SSE BAF	high water. RE HILLS [39.31, -76.65], 3.3 SSE BARE	HILLS [39.31, -7(	6.65], 3.4 SSE BAR	RE HILLS [39.31, -76.65], 3.4 SSE BARE
BALTIMORE COUNTY 3.2 SSE BAF HILLS [39.31, -76.65]	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST  08/15/11 10:30 EST	HILLS [39.31, -70	<b>6.65], 3.4 SSE BAR</b>	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)
HILLS [39.31, -76.65] North Fulton Avenue was closed due to	high water. <b>RE HILLS [39.31, -76.65], 3.3 SSE BARE</b> 08/15/11 09:09 EST  08/15/11 10:30 EST  o high water.		6.65], 3.4 SSE BAR 0 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65] North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST  08/15/11 10:30 EST	.5 NE BALTIMOR	6.65], 3.4 SSE BAR 0 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65] North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  high water.  TIMORE HIGHLANDS [39.24, -76.62], 1	.5 NE BALTIMOR	6.65], 3.4 SSE BAR 0 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  high water.  TIMORE HIGHLANDS [39.24, -76.62], 18ALTIMORE HIGHLANDS [39.24, -76.62]	.5 NE BALTIMOR	6.65], 3.4 SSE BAR 0 0 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  0 high water.  TIMORE HIGHLANDS [39.24, -76.62], 1  BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST	.5 NE BALTIMOR ]	6.65], 3.4 SSE BAR  0 0 0  EE HIGHLANDS [39	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain)
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to  BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  p high water.  TIMORE HIGHLANDS [39.24, -76.62], 1  BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor	.5 NE BALTIMOR	0 0 0 2E HIGHLANDS [39 0 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain)  Source: Newspaper
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm  Deep layer southerly flow advected a of heavy rain and thunderstorms mov	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  0 high water.  TIMORE HIGHLANDS [39.24, -76.62], 1  BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 EE HIGHLANDS [39 0 0 eet of water.	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain)  Source: Newspaper
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  high water.  TIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor moist, tropical airmass into the Mid-Atred across Maryland. Flash flooding of	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 EE HIGHLANDS [39 0 0 eet of water.	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain)  Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain)  Source: Newspaper
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  high water.  TIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor moist, tropical airmass into the Mid-Atred across Maryland. Flash flooding of	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 EE HIGHLANDS [39 0 0 eet of water.	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  high water.  TIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor moist, tropical airmass into the Mid-At red across Maryland. Flash flooding of	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 EE HIGHLANDS [39 0 0 eet of water.	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  0 high water.  TIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor  moist, tropical airmass into the Mid-Atted across Maryland. Flash flooding of  BRANCH [39.60, -78.73] 08/14/11 16:58 EST 08/14/11 16:58 EST	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 8E HIGHLANDS [39 0 0 eet of water. essure approached ber of places, with	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as  Thunderstorm Wind (EG 52 kt)
BALTIMORE COUNTY 3.2 SSE BAF HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.  ALLEGANY COUNTY 1.6 N NORTH  Large tree limbs fell off of pine trees du	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  o high water.  LTIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floc moist, tropical airmass into the Mid-At red across Maryland. Flash flooding of  BRANCH [39.60, -78.73] 08/14/11 16:58 EST 08/14/11 16:58 EST	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 8E HIGHLANDS [39 0 0 eet of water. essure approached ber of places, with	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as  Thunderstorm Wind (EG 52 kt)
BALTIMORE COUNTY 3.2 SSE BAF HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.  ALLEGANY COUNTY 1.6 N NORTH  Large tree limbs fell off of pine trees du	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  o high water.  LTIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor moist, tropical airmass into the Mid-Atted across Maryland. Flash flooding of  BRANCH [39.60, -78.73] 08/14/11 16:58 EST 08/14/11 16:58 EST e to thunderstorm winds.	.5 NE BALTIMOR  ded with over 5 fellow pre	6.65], 3.4 SSE BAR  0 0 0  RE HIGHLANDS [39 0 0 eet of water.  essure approached ber of places, with  1K 0	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
BALTIMORE COUNTY 3.2 SSE BAR HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.  ALLEGANY COUNTY 1.6 N NORTH	high water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  o high water.  LTIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floc moist, tropical airmass into the Mid-At red across Maryland. Flash flooding of  BRANCH [39.60, -78.73] 08/14/11 16:58 EST 08/14/11 16:58 EST	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 8E HIGHLANDS [39 0 0 eet of water. essure approached ber of places, with	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as  Thunderstorm Wind (EG 52 kt)
BALTIMORE COUNTY 3.2 SSE BAF HILLS [39.31, -76.65]  North Fulton Avenue was closed due to BALTIMORE COUNTY 1.8 ENE BAL HIGHLANDS [39.24, -76.63], 1.7 ENE E  Police were evacuating areas of Spelm Deep layer southerly flow advected a of heavy rain and thunderstorms mov 4.75 inches in Baltimore County.  ALLEGANY COUNTY 1.6 N NORTH  Large tree limbs fell off of pine trees du	nigh water.  RE HILLS [39.31, -76.65], 3.3 SSE BARE  08/15/11 09:09 EST 08/15/11 10:30 EST  o high water.  TIMORE HIGHLANDS [39.24, -76.62], 1 BALTIMORE HIGHLANDS [39.24, -76.62 08/15/11 12:30 EST 08/15/11 14:00 EST  an Road. Basements were reported floor  moist, tropical airmass into the Mid-Atted across Maryland. Flash flooding of  BRANCH [39.60, -78.73] 08/14/11 16:58 EST 08/14/11 16:58 EST e to thunderstorm winds.  STONEBRAKER [39.35, -77.69] 08/14/11 18:57 EST 08/14/11 18:57 EST	.5 NE BALTIMOR  ded with over 5 fellow pre	0 0 0 EE HIGHLANDS [39 0 0 0 eet of water. essure approached ber of places, with	RE HILLS [39.31, -76.65], 3.4 SSE BARE  Flash Flood (due to Heavy Rain) Source: State Official  9.24, -76.63], 1.6 NE BALTIMORE  Flash Flood (due to Heavy Rain) Source: Newspaper  d from the west, periods rainfall totals as high as  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 61 kt)

Page 15 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/14/11 19:00 EST		5K	Thunderstorm Wind (EG 61 kt)
	08/14/11 19:00 EST		0	Source: Department of Highways
The intersection of Jefferson Pike and Burk	kittsville road was closed due to dow	vned trees.		
FREDERICK COUNTY 0.9 SE BRUNSW	VICK [39.31, -77.62] 08/14/11 19:00 EST		2K	Thunderstorm Wind (EG 56 kt)
	08/14/11 19:00 EST		0	Source: Public
Trees were down along side of the RR and				
FREDERICK COUNTY 1.2 SSE CATOC	TIN [39.3077.54]			
	08/14/11 19:22 EST		5K	Thunderstorm Wind (EG 52 kt)
	08/14/11 19:22 EST		0	Source: Department of Highways
Trees were down over the roadway at the i	intersection of Maryland Route 464	at Lander Road.		
FREDERICK COUNTY 1.9 WNW CATO			El.	The state of the s
	08/14/11 19:22 EST		5K	Thunderstorm Wind (EG 61 kt)
	08/14/11 19:22 EST		0	Source: Fire Department/Rescue
Numerous trees were down along and nea	r Route 464 between Brunswick and	d Jefferson.		
MONTGOMERY COUNTY 1.2 SW DAW	(SONVILLE [39.12, -77.37] 08/14/11 20:22 EST		1K	Thunderstorm Wind (EC 50 kt)
	08/14/11 20:22 EST 08/14/11 20:22 EST		0	Thunderstorm Wind (EG 50 kt) Source: Public
Small branches and limbs were down.	00/11/11/20/22/201		<b>G</b>	Source: 1 daile
MONTOCKEDY COUNTY 44 OW OUN	EV 100 44 EE 001			
MONTGOMERY COUNTY 1.1 SW OLNE	EY [39.14, -77.08] 08/14/11 20:48 EST		0	Thunderstorm Wind (EG 50 kt)
MONTGOMERY COUNTY 1.1 SW OLNE			0 0	Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio	08/14/11 20:48 EST 08/14/11 20:48 EST need off around four feet above the gr	to the upper troug	0 gh caused modera	Source: Trained Spotter te amounts of instability
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh	08/14/11 20:48 EST 08/14/11 20:48 EST need off around four feet above the gr	to the upper troug	0 gh caused modera	Source: Trained Spotter te amounts of instability
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.	08/14/11 20:48 EST 08/14/11 20:48 EST  bed off around four feet above the ground on the 14th. Colder air aloft due howers and thunderstorms and solution.  ONEER CITY [39.12, -76.73]	to the upper troug	0 gh caused modera s produced damag	Source: Trained Spotter  te amounts of instability ling wind gusts due to
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.	08/14/11 20:48 EST 08/14/11 20:48 EST  oed off around four feet above the gr on on the 14th. Colder air aloft due nowers and thunderstorms and soi  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST	to the upper troug	0 gh caused modera s produced damag	Source: Trained Spotter  Ite amounts of instability Iting wind gusts due to  Hail (1.00 in)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Ple	08/14/11 20:48 EST 08/14/11 20:48 EST ed off around four feet above the grown on the 14th. Colder air aloft due nowers and thunderstorms and soil  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST	to the upper troug	0 gh caused modera s produced damag	Source: Trained Spotter  te amounts of instability ling wind gusts due to
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Pla  Quarter sized hail was reported in Fort Mea	08/14/11 20:48 EST 08/14/11 20:48 EST oed off around four feet above the gr on on the 14th. Colder air aloft due nowers and thunderstorms and soi  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST	to the upper troug	0 gh caused modera s produced damag	Source: Trained Spotter  Ite amounts of instability Iting wind gusts due to  Hail (1.00 in)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Ple Quarter sized hail was reported in Fort Mea	08/14/11 20:48 EST 08/14/11 20:48 EST oed off around four feet above the gr on on the 14th. Colder air aloft due nowers and thunderstorms and soi  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST	to the upper troug	0 gh caused modera s produced damag	Source: Trained Spotter  Ite amounts of instability Iting wind gusts due to  Hail (1.00 in) Source: COOP Observer
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Ple  Quarter sized hail was reported in Fort Mea	08/14/11 20:48 EST 08/14/11 20:48 EST oed off around four feet above the gr on on the 14th. Colder air aloft due nowers and thunderstorms and soil  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST ade.  RN [39.11, -76.70]	to the upper troug	0 gh caused modera s produced damag 0 0	Source: Trained Spotter  Ite amounts of instability Iting wind gusts due to  Hail (1.00 in)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Pla  Quarter sized hail was reported in Fort Mea	08/14/11 20:48 EST 08/14/11 20:48 EST  ned off around four feet above the gr on on the 14th. Colder air aloft due nowers and thunderstorms and sol  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST  ade.  RN [39.11, -76.70] 08/18/11 16:08 EST 08/18/11 16:08 EST	to the upper troug	gh caused modera s produced damag 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW PIC  Quarter sized hail was reported in Fort Med  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 66	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the grant on the 14th. Colder air aloft due nowers and thunderstorms and soil  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST ade.  RN [39.11, -76.70] 08/18/11 16:08 EST 08/18/11 16:08 EST	to the upper troug	gh caused modera s produced damag 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW PIC  Quarter sized hail was reported in Fort Med  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 66	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the graph on the 14th. Colder air aloft due nowers and thunderstorms and soil on the 14th. Colder air aloft due nowers and thunderstorms and soil on the 14th. Colder air aloft due nowers and thunderstorms and soil on the 14th. Colder air aloft due nowers and thunderstorms and soil on the 14th. Colder air aloft due nowers and thunderstorms and soil on the 15th	to the upper troug	gh caused modera s produced damag 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW PIC  Quarter sized hail was reported in Fort Med  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 66	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the gran on the 14th. Colder air aloft due nowers and thunderstorms and soil  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST ade.  RN [39.11, -76.70] 08/18/11 16:08 EST 08/18/11 16:08 EST	to the upper troug	gh caused modera s produced damag 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Pic Quarter sized hail was reported in Fort Mea ANNE ARUNDEL COUNTY 1.1 S SEVE Wind gusts were estimated to be around 66  ANNE ARUNDEL COUNTY 1.1 S SEVE	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the graph on the 14th. Colder air aloft due nowers and thunderstorms and soil  ONEER CITY [39.12, -76.73] 08/18/11 15:50 EST 08/18/11 15:50 EST ade.  RN [39.11, -76.70] 08/18/11 16:08 EST 0 mph.  RN [39.11, -76.70] 08/18/11 16:08 EST 08/18/11 16:08 EST	to the upper troug	gh caused modera s produced damag 0 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW PIG  Quarter sized hail was reported in Fort Mea  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 60  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 60  CARROLL COUNTY 1.8 NE MT AIRY [3	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the graph on the 14th. Colder air aloft due nowers and thunderstorms and soil of the properties of the feet above the graph of the gr	to the upper troug	gh caused moderas produced damag	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Two trees in Cherrywood Park were snapp An upper-level trough was over the regio to develop. A surface trough triggered sh the moderate instability.  ANNE ARUNDEL COUNTY 0.9 SSW Ple  Quarter sized hail was reported in Fort Mea  ANNE ARUNDEL COUNTY 1.1 S SEVE  Wind gusts were estimated to be around 66  ANNE ARUNDEL COUNTY 1.1 S SEVE	08/14/11 20:48 EST 08/14/11 20:48 EST 08/14/11 20:48 EST  end off around four feet above the graph on the 14th. Colder air aloft due nowers and thunderstorms and soil of the properties of the second	to the upper troug	gh caused modera s produced damag 0 0 0	Source: Trained Spotter  Ite amounts of instability Jing wind gusts due to  Hail (1.00 in) Source: COOP Observer  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)

Page 16 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARFORD COUNTY 0.6 NW EMMOR			417	Thursdood are Wind (FO 5014)
	08/18/11 16:26 EST 08/18/11 16:26 EST		1K 0	Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
A to a constitution the constitution D			U	Source. Trained Spotter
A tree was blocking the roadway near Pa	tterson Mili Road and Route 924.			
HARFORD COUNTY 0.9 ENE EMMOR	TON [39.50, -76.30] 08/18/11 16:34 EST		0	Hail (1.75 in)
	08/18/11 16:34 EST		0	Source: Public
Hail up to the size of golf balls was report	ed.			
HARFORD COUNTY 1.9 SW CALVAR	Y [39 51 -76 27]			
1.0 011 07.27711	08/18/11 16:36 EST		1K	Thunderstorm Wind (EG 56 kt)
	08/18/11 16:36 EST		0	Source: State Official
A tree was down along MD-543 and Calv	ary Road.			
ANNE ARUNDEL COUNTY 0.8 NW CO	DNAWAYS [39.03, -76.71]			
	08/18/11 16:40 EST		15K	Thunderstorm Wind (EG 56 kt)
	08/18/11 16:40 EST		0	Source: Public
A tree was blown onto a garage crushing	the roof. A car was also damaged in	the garage. Multip	le 150 year old tree	es were blown down.
HARFORD COUNTY 0.6 SSW CALVA				
	08/18/11 16:40 EST		0	Hail (1.00 in)
	08/18/11 16:40 EST		0	Source: Public
Quarter sized hail was reported.				
HARFORD COUNTY 0.4 ENE PLEASA				
	08/18/11 16:43 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/18/11 16:43 EST		0	Source: State Official
A tree was down along High Point Road.				
HARFORD COUNTY 1.3 ESE SINGER	[ <b>39.47, -76.31</b> ] 08/18/11 16:53 EST		0	Lightning
	08/18/11 16:53 EST	1	0	Lightning Source: Fire Department/Rescue
A person was injured by lightning while us		•	v	Societies in a Superintendent of the Societies of the Soc
HARFORD COUNTY 0.5 WNW LAPID	UM [39.60, -76.14] 08/18/11 17:00 EST		0	Hail (1.75 in)
	08/18/11 17:00 EST		0	Source: State Official
Golf ball sized hail was reported at the St			-	
HARFORD COUNTY 2.0 NW HAVRE I			0	Hail (1 00 in)
	08/18/11 17:01 EST 08/18/11 17:01 EST		0	Hail (1.00 in) Source: Public
Hail up to quarters in size was reported.	00/10/11 1/.01 E31		U	Cource. Fubile
, , ,				
BALTIMORE COUNTY 2.6 S PLEASA	NT GROVE [39.53, -76.78] 08/18/11 17:12 EST		0	Hail (1.00 in)
	08/18/11 17:12 EST 08/18/11 17:12 EST		0	Source: Public
			•	550.50.1 dbiio
Quarter sized hail was reported near Bori	ng.			
ANNE ADUNDEI COUNTY 12 E MAY				

ANNE ARUNDEL COUNTY --- 1.3 E MAYFIELD [39.10, -76.66]

Page 17 of 40 Printed on: 11/16/2011

		Injuries	Crop Dmg	
	08/18/11 17:15 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/18/11 17:15 EST		0	Source: Public
A tree that was one to one and one half feet in	n diameter was blown down.			
MONTGOMERY COUNTY 0.8 SSW WHEA	TON [39.04, -77.06] 08/18/11 17:15 EST		0	Hail (1.00 in)
	08/18/11 17:15 EST		0	Source: Trained Spotter
Quarter sized hail was reported at Wheaton.				
Quarter sizeu fiaii was reporteu at writeatori.				
MONTGOMERY COUNTY 0.9 SE KEN GA				
	08/18/11 17:15 EST		0	Hail (1.25 in)
	08/18/11 17:15 EST		0	Source: Broadcast Media
Half dollar sized hail was reported in Wheator	1.			
MONTGOMERY COUNTY 0.3 WNW KEN (	GAR [39.05, -77.07]			
	08/18/11 17:19 EST		0	Hail (1.00 in)
	08/18/11 17:19 EST		0	Source: Trained Spotter
Quarter sized hail was reported at the intersec	ction of Connecticut Avenue and	Viers Mill Road.		
MONTGOMERY COUNTY 0.8 ENE HOME	WOOD [39.03, -77.04]			
	08/18/11 17:20 EST		0	Hail (1.50 in)
	08/18/11 17:20 EST		0	Source: Public
Hail up to the size of ping pong balls was repo	orted near Wheaton.			
MONTGOMERY COUNTY 0.5 ENE GLENN	MONT [39.07, -77.06]			
	08/18/11 17:24 EST		0	Hail (1.00 in)
	08/18/11 17:24 EST		0	Source: Public
Quarter sized hail was reported near Glenmon	nt.			
MONTGOMERY COUNTY 1.4 S FAIRLANI	D [39.06, -76.95]			
	08/18/11 17:33 EST		0	Hail (1.75 in)
	08/18/11 17:33 EST		0	Source: Trained Spotter
Golf ball sized hail was reported in Calverton.				
MONTGOMERY COUNTY 0.6 S FAIRLANI	D [39.07, -76.95]			
	08/18/11 17:35 EST		0	Hail (1.75 in)
	08/18/11 17:35 EST		0	Source: Public
Golf ball sized hail was reported.				
PRINCE GEORGE'S COUNTY 1.1 W AMM	ENDALE [39.05, -76.921			
	08/18/11 17:36 EST		0	Hail (1.00 in)
	08/18/11 17:36 EST		0	Source: Public
Quarter sized hail was reported.				
MONTGOMERY COUNTY 0.2 SW FAIRLA	ND [39,08, -76.95]			
	08/18/11 17:38 EST		0	Hail (1.00 in)
	08/18/11 17:38 EST		0	Source: Public
Quarter sized hail was reported.				
PRINCE GEORGE'S COUNTY 0.5 WSW LA	AUREL [39.1076.861			
	08/18/11 17:47 EST		0	Hail (1.50 in)
	08/18/11 17:47 EST		0	Source: Broadcast Media

Page 18 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to the size of ping pong balls was repo	orted in Laurel.			
ANNE ARUNDEL COUNTY 0.6 E MARYLA				Heli (4 00 in)
	08/18/11 17:52 EST		0	Hail (1.00 in)
	08/18/11 17:52 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Laurel.				
ANNE ARUNDEL COUNTY 1.4 NNW GRE	=			
	08/18/11 17:56 EST		0	Hail (1.00 in)
	08/18/11 17:56 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Green H	aven.			
ANNE ARUNDEL COUNTY 0.5 W PIONEE	R CITY [39.13, -76.73]			
	08/18/11 18:07 EST		0	Hail (1.00 in)
	08/18/11 18:07 EST		0	Source: Broadcast Media
Quarter sized hail was reported at Fort Meade	<b>)</b> .			
ANNE ARUNDEL COUNTY 0.7 N PIONEE	R CITY [39.1476.72]			
	08/18/11 18:09 EST		0	Hail (1.00 in)
	08/18/11 18:09 EST		0	Source: Broadcast Media
Quarter sized hail was reported near Severn.				
ANNE ARUNDEL COUNTY 1.1 N MARLEY	<sup>'</sup> [39.17, -76.60]			
	08/18/11 18:20 EST		0	Hail (1.00 in)
	08/18/11 18:20 EST		0	Source: Public
Quarter sized hail was reported at Glen Burni	9.			
WASHINGTON COUNTY 0.6 NNW CLEAR	SPG [39.66, -77.94]			
	08/18/11 20:40 EST		0	Hail (1.00 in)
	08/18/11 20:40 EST		0	Source: Public
Quarter sized hail was reported.				
WASHINGTON COUNTY 0.6 NNW CLEAR	SPG [30 66 -77 0/1			
WASHINGTON GOONT U.S NINT GEEN	08/18/11 20:44 EST		0	Thunderstorm Wind (EG 52 kt)
	08/18/11 20:44 EST		0	Source: Public
Trees and large limbs were down in Clear Spi	rina.			
WASHINGTON COUNTY 1.0 SE FUNKSTO	OWN [39.61, -77.71] 08/18/11 21:15 EST		5K	Thunderstorm Wind (EG 56 kt)
	08/18/11 21:15 EST		0	Source: State Official
Multiple reports of trees were down across the		unty.		
WARRINGTON COUNTY / / T TOYETT	FOO ET			
WASHINGTON COUNTY 1.4 E ROXBURY	[39.57, -77.69] 08/18/11 21:15 EST		0	Hail (1.00 in)
	08/18/11 21:15 EST		0	Source: Public
Quarter sized hail was reported near Funksto	wn.			
WASHINGTON COUNTY 1.5 N KEEDYSVI	LLE [39.50, -77.71]			
	08/18/11 21:44 EST		2K	Thunderstorm Wind (EG 56 kt)
	08/18/11 21:44 EST		0	Source: Public
Several Sycamore trees were snapped off du	e to thunderstorm winds.			

Page 19 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY 1.6 NNW KE				
	08/18/11 21:45 EST		0	Hail (1.00 in)
Quarter sized hail was reported near Kee	08/18/11 21:45 EST		0	Source: Public
•	•			
BALTIMORE COUNTY 1.6 ENE BENT	08/18/11 23:04 EST		2K	Thunderstorm Wind (EG 56 kt)
	08/18/11 23:04 EST		0	Source: Public
arge limbs were down due to thundersto	orm winds.			
A southerly flow around high pressure with colder air aloft associated with an developed produced damaging wind gu	upper-level trough to produce mode			
ANNE ARUNDEL COUNTY 0.2 ESE D 39.13, -76.66]	PELMONT [39.13, -76.67], 0.5 ESE DE	ELMONT [39.13, -70	6.66], 0.7 E DELMO	ONT [39.13, -76.66], 0.7 ENE DELMONT
[223, 10.00]	08/18/11 16:10 EST		0	Flash Flood (due to Heavy Rain)
	08/18/11 18:00 EST		0	Source: Fire Department/Rescue
Intersection of Steven Road and Quarter	field Road was flooded.			
Isolated thunderstorms developed acro High rainfall rates over Anne Arundel C	•		l across a moist ar	nd unstable atmosphere.
WASHINGTON COUNTY 1.2 N MOFF	ET [39.70, -78.08] 08/19/11 15:03 EST		0	Hail (1.00 in)
	08/19/11 15:03 EST		0	Source: Public
Quarter sized hail was reported near Pec				
WASHINGTON COUNTY 1.7 NNE INE	08/19/11 15:03 EST		2K	Thunderstorm Wind (EG 50 kt)
	08/19/11 15:03 EST		0	Source: Public
Multiple small trees and branches were d	lown.			
BALTIMORE COUNTY 1.2 S MIDDLE	RIVER [39.31, -76.45]			
	08/19/11 16:50 EST		0	Hail (1.00 in)
	08/19/11 16:50 EST		0	Source: Public
Quarter sized hail was reported in Essex				
BALTIMORE COUNTY 0.4 SE MIDDL			0	Hail (1 00 in)
	08/19/11 16:51 EST 08/19/11 16:51 EST		0	Hail (1.00 in) Source: Trained Spotter
Quarter sized hail was reported near the		ld Eastern Avenue		•
BALTIMORE COUNTY 0.4 NNE CARN	NEY [39.41, -76.52]			
	08/19/11 16:57 EST		0	Hail (1.00 in)
			0	Source: Public
	08/19/11 16:57 EST			
Quarter sized hail was reported on Placio				
·	d Avenue.			
Quarter sized hail was reported on Placio	d Avenue.		1K 0	Thunderstorm Wind (EG 52 kt) Source: Public

A tree was down near the intersection of Wildwood Beach Road and Riverview Road.

Page 20 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BALTIMORE COUNTY 1.0 ENE CARNEY [39.	41, -76.50]			
	08/19/11 17:10 EST		0	Thunderstorm Wind (EG 52 kt)
	08/19/11 17:10 EST		0	Source: Public
Wind gusts were estimated to be around 60 mph				
ANNE ARUNDEL COUNTY 1.4 SSW VENICE	ON THE BAY [39.13, -76.49]			
	08/19/11 17:45 EST		0	Hail (1.00 in)
	08/19/11 17:45 EST		0	Source: Public
Quarter sized hail was reported.				
ANNE ARUNDEL COUNTY 1.5 N LAKE SHR	[39.12, -76.48]			
	08/19/11 17:45 EST		0	Hail (1.00 in)
	08/19/11 17:45 EST		0	Source: Public
Quarter sized hail was reported near Lake Shore				
ANNE ARUNDEL COUNTY 1.5 N LAKE SHR	[39.12, -76.48]			
	08/19/11 17:45 EST		0	Hail (1.00 in)
	08/19/11 17:45 EST		0	Source: Public
Quarter sized hail was reported near the Fort Sm	allwood State Park.			
PRINCE GEORGE'S COUNTY 1.3 SSE LARG	O [38.88, -76.82]			
	08/19/11 17:45 EST		0	Hail (1.00 in)
	08/19/11 17:45 EST		0	Source: Public
Quarter sized hail was reported near Largo.				
ANNE ARUNDEL COUNTY 0.6 SE EARLEIGH	HGTS [39.09, -76.54]			
	08/19/11 17:50 EST		5K	Thunderstorm Wind (EG 52 kt)
	08/19/11 17:50 EST		0	Source: Trained Spotter
Siding was being removed from homes due to the	understorm winds.			
ANNE ARUNDEL COUNTY 0.7 SSW JACOBS	SVILLE [39.11, -76.53]			
	08/19/11 17:50 EST		1K	Thunderstorm Wind (EG 61 kt)
	08/19/11 17:50 EST		0	Source: Broadcast Media
A large tree was uprooted by a thunderstorm win	d gust.			
ANNE ARUNDEL COUNTY 0.9 S JACOBSVIL	LE [39.11, -76.52]			
	08/19/11 17:50 EST		10K	Thunderstorm Wind (EG 61 kt)
	08/19/11 17:50 EST		0	Source: Public
Multiple power poles were torn down and a tree t	hat was six inches in diameter	was uprooted.		
An upper-level trough provided cold air aloft w	hile warm and moist air remai	ined at the surfac	e. Moderate amou	ints of instability
developed during the afternoon and evening he able to produce damaging wind gusts and larg	ours. Some thunderstorms the			
BALTIMORE COUNTY 1.3 ESE CUB HILL [39 [39.41, -76.50]	).41, -76.50], 1.1 ESE CUB HIL	L [39.41, -76.50],	0.9 ESE CUB HILL	[39.41, -76.50], 1.0 ENE CARNEY
• •	08/19/11 17:10 EST		0	Flash Flood (due to Heavy Rain)

BALTIMORE COUNTY --- 0.7 S LYNCH PT [39.22, -76.43], 0.5 NNE FT HOWARD [39.21, -76.43], 1.0 SSE LYNCH PT [39.22, -76.42], 1.2 E LYNCH PT [39.23, -76.41], 0.6 E LYNCH PT [39.23, -76.42], 0.3 WSW LYNCH PT [39.23, -76.43]

0

08/19/11 17:10 EST

08/19/11 18:45 EST

A creek filled and overflowed into a field.

Page 21 of 40 Printed on: 11/16/2011

Source: Public

Flash Flood (due to Heavy Rain)

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/19/11 17:40 EST		0	Flash Flood (due to Heavy Rain)
	08/19/11 18:30 EST		0	Source: Trained Spotter
North Point Road in North Point State Park	was inundated by over 6 inches of	water flowing over	the roadway.	
PRINCE GEORGE'S COUNTY 1.3 ESE -76.81]	LARGO [38.89, -76.81], 1.2 SE LAR	GO [38.89, -76.82]	], 1.4 SE LARGO [3	88.88, -76.81], 1.4 ESE LARGO [38.89,
-70.01]	08/19/11 18:00 EST		0	Flash Flood (due to Heavy Rain)
	08/19/11 19:30 EST		0	Source: Public
Backyards flooded up to one foot deep. Ki rain in less than 2 hours.	nee deep water encroaching upon M	ID-202 in the Kette	ering area. A nearb	by rain gage measured 3.23 inches of
An upper-level disturbance combined wi evening hours. Several reports of flash fl 95 corridor. A rain gage in Prince Georg	looding were received as this activ	ity moved across	the saturated grou	und along the Interstate
BALTIMORE COUNTY 0.5 SSW DUNDA	ALK [39.26, -76.52]			
	08/21/11 12:14 EST		0	Hail (1.00 in)
	08/21/11 12:14 EST		0	Source: Emergency Manager
Quarter sized hail was reported on Admira	l Boulevard.			
BALTIMORE COUNTY 0.2 WNW DUND	PALK [39.27, -76.52]			
	08/21/11 12:26 EST		0	Hail (1.00 in)
	08/21/11 12:26 EST		0	Source: Trained Spotter
Quarter sized hail was reported.				
BALTIMORE COUNTY 1.2 SSE DUNDA	ALK [39.25, -76.51]			
	08/21/11 12:30 EST		0	Hail (1.25 in)
	08/21/11 12:30 EST		0	Source: Trained Spotter
Half dollar sized hail was reported near Du	ındalk.			
BALTIMORE COUNTY 1.2 SSE DUNDA	ALK [39.25, -76.51]			
	08/21/11 12:30 EST		0	Thunderstorm Wind (EG 52 kt)
	08/21/11 12:30 EST		0	Source: Trained Spotter
Wind gusts were estimated to be around 6	0 mph.			
BALTIMORE COUNTY 1.2 E DUNDALM	( [39.27, -76.50]			
	08/21/11 12:32 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/21/11 12:32 EST		0	Source: Fire Department/Rescue
Large tree branches were blocking Ranch				
	Lane near Trappe Road.			
	Lane near Trappe Road.		0	Hail (1.00 in)
	Lane near Trappe Road.  ALK [39.25, -76.51]		0	Hail (1.00 in) Source: Trained Spotter
BALTIMORE COUNTY 1.3 SSE DUNDA	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST			
BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST			
BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST			
Large tree branches were blocking Ranch  BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund  BALTIMORE COUNTY 1.9 NNW EDGE	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST  lalk.  MERE [39.26, -76.46]		0	Source: Trained Spotter
BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund  BALTIMORE COUNTY 1.9 NNW EDGE	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST  lalk.  MERE [39.26, -76.46]  08/21/11 13:00 EST  08/21/11 13:00 EST		0	Source: Trained Spotter  Hail (1.00 in)
BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST  lalk.  MERE [39.26, -76.46]  08/21/11 13:00 EST  08/21/11 13:00 EST  River.		0	Source: Trained Spotter  Hail (1.00 in)
BALTIMORE COUNTY 1.3 SSE DUNDA  Quarter sized hail was reported near Dund  BALTIMORE COUNTY 1.9 NNW EDGE  Quarter sized hail was reported near Back	Lane near Trappe Road.  ALK [39.25, -76.51]  08/21/11 12:40 EST  08/21/11 12:40 EST  lalk.  MERE [39.26, -76.46]  08/21/11 13:00 EST  08/21/11 13:00 EST  River.		0	Source: Trained Spotter  Hail (1.00 in)

Page 22 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree was uprooted in Fort Howard.				
ANNE ARUNDEL COUNTY 1.1 NW BAYSID	E BEACH [39.14, -76.47]			
	08/21/11 13:41 EST		0	Hail (1.00 in)
	08/21/11 13:41 EST		0	Source: Public
Quarter sized hail was reported near Bodkin Po	int.			
PRINCE GEORGE'S COUNTY 0.7 NNW BEI	LEMEAD [38.96, -76.88]			
	08/21/11 14:32 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/21/11 14:32 EST		0	Source: Fire Department/Rescue
Free branches fell onto a house along Kidmore	Lane.			
CALVERT COUNTY 1.0 SE HUNTINGTOWN	I [38.61, -76.61]			
	08/21/11 15:55 EST		0	Thunderstorm Wind (EG 52 kt)
	08/21/11 15:55 EST		0	Source: Public
Nind gusts were estimated to be around 60 mp	h.			
CALIVEDT COLINTY OF SE BDEEZY BT 128	61 76 511			
CALVERT COUNTY 0.6 SE BREEZY PT [38	.61, -76.51] 08/21/11 16:07 EST		0	Thunderstorm Wind (EG 50 kt)
	08/21/11 16:07 EST		0	Source: Public
Small limbs were blown down in thunderstorm v			· ·	333.33.1.43.33
CALVERT COUNTY 0.6 SSE BREEZY PT [3			0	Hoil (4 00 in)
	08/21/11 16:07 EST 08/21/11 16:07 EST		0	Hail (1.00 in) Source: Public
Hail up to quarters in size was reported along F			U	Source. Public
CALVERT COUNTY 0.6 SSE BREEZY PT [3			0	Thunderstorm Wind (EG 52 kt)
	08/21/11 16:07 EST		0	, ,
	08/21/11 16:07 EST		0	Source: Public
Vind gusts were estimated to be around 60 mp	h.			
A cold front approached the area from the Oh	•		•	caused an unstable
atmosphere. Some thunderstorms ahead of t	he cold front produced damag	Jing winds and lar	ge hail.	
BALTIMORE COUNTY 1.8 ENE DUNDALK	39.28, -76.49], 1.7 ENE DUNDA	ALK [39.28, -76.49]	, 1.6 ENE DUNDAL	LK [39.28, -76.49], 1.6 ENE DUNDALK
39.28, -76.49]	08/21/11 12:45 EST		0	Flash Flood (due to Heavy Rain)
	08/21/11 14:00 EST		0	Source: Trained Spotter
Two feet of water was flowing over the intersec	tion of Old North Point and Ger	man Hill roads fron	n Bread and Chees	se Creek.
BALTIMORE COUNTY 2.1 NNW EDGEMER 39.27, -76.47]	E [39.26, -76.46], 2.2 NNW EDG	GEMERE [39.26, -7	6.46], 2.6 E DUNDA	ALK [39.28, -76.47], 2.4 E DUNDALK
• • •	08/21/11 12:45 EST		0	Flash Flood (due to Heavy Rain)
	08/21/11 14:00 EST		0	Source: Trained Spotter
Six feet of water was blocking North Point Boul	evard.			
BALTIMORE COUNTY 1.2 S ESSEX [39.30,	-76.481, 1.1 S ESSEX [39.30	76.481. 1.2 SSW F5	SEX [39,30, -76 48	81. 1.2 S ESSEX [39.3076.48]
	08/21/11 13:08 EST		0	Flash Flood (due to Heavy Rain)
	08/21/11 15:00 EST		0	Source: State Official
			-	

A swift water rescue was performed near the intersection of Virginia and Marie Avenues.

Page 23 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BALTIMORE COUNTY 1.1 E DUNDAI	LK [39.27, -76.50], 1.2 E DUNDALK [3	9.27, -76.50], 1.2 E	DUNDALK [39.27	, -76.50], 1.0 E DUNDALK [39.27,
76.50]	08/21/11 13:23 EST		0	Flash Flood (due to Heavy Rain)
	08/21/11 15:00 EST		0	Source: State Official
			· ·	course. Clare Ciliotal
Three swift water rescues were conducte	ed near the intersection of Church and	Trappe Roads.		
BALTIMORE COUNTY 0.5 W LYNCH	PT [39.23, -76.44], 0.4 WNW LYNCH	PT [39.23, -76.44],	0.6 WNW LYNCH	PT [39.23, -76.44], 0.5 ENE
EDGEMERE [39.23, -76.44]	08/21/11 14:00 EST		0	Flash Flood (due to Heavy Rain)
	08/21/11 15:00 EST		0	Source: Trained Spotter
The intersection of Willow Avenue and N	orth Point Road was flooded with 18 i	nches of flowing w	ater.	
Thunderstorms developed in associati Baltimore County, their rain led to flash		d-Atlantic. As the	y moved over the	saturated ground of
CHARLES COUNTY 1.2 E GRAYTON	[38.42, -77.18]			
	08/25/11 16:07 EST		2K	Thunderstorm Wind (EG 52 kt)
	08/25/11 16:07 EST		0	Source: State Official
A few trees were down along the intersec	ction of Holly Springs Road and Port T	Tobacco Road.		
CHARLES COUNTY 1.5 NE MARYLA	ND PT [38.39, -77.18]			
	08/25/11 16:09 EST		1K	Thunderstorm Wind (EG 56 kt)
	08/25/11 16:09 EST		0	Source: State Official
A tree was down along Holly Springs Ro	ad.			
ST. MARY'S COUNTY 1.7 SW FORES	• • •		0.50K	Thunderstorm Wind (FO FO ltt)
			0.50K	Thunderstorm Wind (EG 50 kt)
	08/25/11 16:20 EST 08/25/11 16:20 EST			Source: Trained Spotter
	08/25/11 16:20 EST		0	Source: Trained Spotter
A couple tree branches were down acros	08/25/11 16:20 EST	otico Road and Ro	0	Source: Trained Spotter
·	08/25/11 16:20 EST ss Baptist Church Road between Chap	otico Road and Ro	0	Source: Trained Spotter
·	08/25/11 16:20 EST ss Baptist Church Road between Chap	otico Road and Ro	0	Source: Trained Spotter  Thunderstorm Wind (EG 50 kt)
	08/25/11 16:20 EST as Baptist Church Road between Chapteller Chapter (1988) 1888 1888 1888 1888 1888 1888 1888	otico Road and Ro	0 ute 5.	
ST. MARY'S COUNTY 0.6 SSE CHAR	08/25/11 16:20 EST as Baptist Church Road between Chap at LOTTE HALL [38.47, -76.78] 08/25/11 16:45 EST 08/25/11 16:45 EST	otico Road and Ro	0 ute 5.	Thunderstorm Wind (EG 50 kt)
ST. MARY'S COUNTY 0.6 SSE CHAR A tree fell onto power lines near the 3760	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist	otico Road and Ro	0 ute 5.	Thunderstorm Wind (EG 50 kt)
ST. MARY'S COUNTY 0.6 SSE CHAR A tree fell onto power lines near the 3760	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist	otico Road and Ro	0 ute 5.	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt)
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist	otico Road and Ro	0 ute 5. 1K 0	Thunderstorm Wind (EG 50 kt) Source: State Official
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist Church Road between Church Road between Chap as Baptist Church Road between Church Road between Church Road	otico Road and Ro	0 ute 5. 1K 0	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt)
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist Church Road Base Base as Baptist Church Road between Chap as Baptist Church Road Base Base Base as Baptist Church Road Base Base as Baptist Church Road Base Base as Baptist Church Road Base Base Base Base Base Base Base Base		0 ute 5.  1K 0	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist Church Road Base Base as Baptist Church Road between Chap as Baptist Church Road Base Base Base as Baptist Church Road Base Base as Baptist Church Road Base Base as Baptist Church Road Base Base Base Base Base Base Base Base		0 ute 5.  1K 0	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official
A couple tree branches were down acros  ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa  ST. MARY'S COUNTY 1.5 SSW LNRE	08/25/11 16:20 EST as Baptist Church Road between Chap as Baptist Church Road Baptist Church Road Baptist Church Road Baptist Church Road as Baptist Church Road Baptist Church Ro		0 ute 5.  1K 0  1K 0	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa	08/25/11 16:20 EST  as Baptist Church Road between Chap  BLOTTE HALL [38.47, -76.78]  08/25/11 16:45 EST  08/25/11 16:45 EST  00 Block of New Market Road.  ANICSVILLE [38.45, -76.75]  08/25/11 16:48 EST  08/25/11 16:48 EST  dd.  DTWN ST MARYS ARP [38.30, -76.56]  08/25/11 16:58 EST  08/25/11 17:02 EST	, 2.2 NNW CALIFO	0 ute 5.  1K 0  1K 0  2RNIA [38.33, -76.55]	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official  51] Tornado (EF0, L: 3.41 mi , W: 50 yd)
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa  ST. MARY'S COUNTY 1.5 SSW LNRE  There was video evidence of a tornado a	08/25/11 16:20 EST  as Baptist Church Road between Chap  BLOTTE HALL [38.47, -76.78]  08/25/11 16:45 EST  08/25/11 16:45 EST  00 Block of New Market Road.  ANICSVILLE [38.45, -76.75]  08/25/11 16:48 EST  08/25/11 16:48 EST  dd.  DTWN ST MARYS ARP [38.30, -76.56]  08/25/11 17:02 EST  along with damage to trees and flag po	, <b>2.2 NNW CALIF</b> O	0 ute 5.  1K 0  1K 0  ORNIA [38.33, -76.55K)	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official  Tornado (EF0, L: 3.41 mi , W: 50 yd) Source: Public
ST. MARY'S COUNTY 0.6 SSE CHAR  A tree fell onto power lines near the 3760  ST. MARY'S COUNTY 1.6 NW MECHA  A tree was down along Three Notch Roa  ST. MARY'S COUNTY 1.5 SSW LNRE	08/25/11 16:20 EST  as Baptist Church Road between Chap  BLOTTE HALL [38.47, -76.78]  08/25/11 16:45 EST  08/25/11 16:45 EST  00 Block of New Market Road.  ANICSVILLE [38.45, -76.75]  08/25/11 16:48 EST  08/25/11 16:48 EST  dd.  DTWN ST MARYS ARP [38.30, -76.56]  08/25/11 17:02 EST  along with damage to trees and flag po	, <b>2.2 NNW CALIF</b> O	0 ute 5.  1K 0  1K 0  ORNIA [38.33, -76.55K)	Thunderstorm Wind (EG 50 kt) Source: State Official  Thunderstorm Wind (EG 52 kt) Source: State Official  Tornado (EF0, L: 3.41 mi , W: 50 yd) Source: Public

There was video evidence of a brief tornado on the Patuxent River Airfield.

A cold front passed moved into the region on the 25th. Tropical moisture ahead of the front caused moderate amounts of instability to develop. Thunderstorms that developed ahead of the cold front were able to produce damaging winds and large hail.

Page 24 of 40 Printed on: 11/16/2011

ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. MARY'S COUNTY 0.9 SW ST JAMES [38. JAMES [38.20, -76.40], 0.4 SE ST JAMES [38.20	<u>=</u>	'S CITY [38.18, -7	6.42], 0.4 N ST MA	RYS CITY [38.19, -76.43], 0.2 SW ST
. , .	08/27/11 11:00 EST		0	Flood (due to Heavy Rain)
	08/27/11 17:00 EST		0	Source: Trained Spotter
Six to 8 inches of standing water was observed on ches of rain occurred nearby.	over multiple sections of Mattha	apany Road near S	St. Marys College.	A storm total measurement of 11.52
T. MARY'S COUNTY 1.3 ENE CHAPTICO [3	8.38, -76.76], 1.7 WNW HELEN	I [38.39, -76.75], 1	.9 WNW HELEN [3	88.39, -76.75], 1.2 NE CHAPTICO
38.38, -76.77]	08/27/11 12:45 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 15:00 EST		0	Source: State Official
Saptist Church Road was closed at Hayden Road	d due to 1 foot of flowing water	. A nearby rain ga	age measured 10.4	6 inches during the event.
T. MARY'S COUNTY 0.7 NNW PINEY PT [38	3.16, -76.52], 0.7 NNW PINEY F	PT [38.16, -76.53],	0.8 SE PINEY PT	[38.14, -76.51], 0.9 ESE PINEY PT
38.14, -76.51], 0.5 NE PINEY PT [38.15, -76.51]	00/07/44 47:00 FOT		0	Floods Flood (door to House Pain)
	08/27/11 17:00 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 18:00 EST		0	Source: Department of Highways
State Route 249 was closed due to flooding. A n	earby rain gage observed 10.5	7 inches.		
NNE ARUNDEL COUNTY 1.3 WNW LUSBY		W LUSBY XRDS [	38.99, -76.61], 0.9	WNW LUSBY XRDS [38.98, -76.62], 1.1
INE RUTLAND [38.99, -76.62], 1.3 ESE CROFT(	08/27/11 17:24 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 23:00 EST		0	Source: Department of Highways
tate route 450 was flooded and closed near Rut	tland Road. A nearby rain gag	e had a storm tota	al of 6.20 inches.	
T. MARY'S COUNTY 1.0 SE PINEY PT [38.1	4, -76.51], 1.0 SE PINEY PT [3	8.14, -76.51], 1.1 \$	SE PINEY PT [38.1	4, -76.50], 1.2 SE PINEY PT [38.14,
76.50]	00/07/44 40 00 FOT			5 5
	08/27/11 18:00 EST 08/27/11 23:00 EST		0	Flood (due to Heavy Rain) Source: Department of Highways
	06/2//11 23.00 E31		U	Source. Department of Highways
state Route 249 was closed south of Stark Drive	due to flooding. A nearby spo	tter observed a st	orm total of 10.40 i	nches.
PRINCE GEORGE'S COUNTY 2.1 SSE MEAD	=	MEADOWS [38.79	9, -76.84], 2.3 ESE	(ADW)ANDREWS AFB CAM [38.78,
76.84], 2.0 ESE (ADW)ANDREWS AFB CAM [38	08/27/11 18:43 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 23:00 EST		0	Source: Department of Highways
tate Route 223 was flooded and closed at Rosa		measured 7.00 o		, ,
NINE ADUNDEL COUNTY OF EN DUDNIE 19	0.47 70.021 0.2 CW CLEN DI	IDNIE 120 47 76	C21 0 2 W CL EN E	NUDNIE 120 47 - 70 C21 O 4 NAVA CLEM
NNE ARUNDEL COUNTY GLEN BURNIE [3 URNIE [39.17, -76.63]		JRNIE [39.17, -76.	-	· · · · · ·
	08/27/11 19:33 EST		0	Flash Flood (due to Heavy Rain)
	00/07/44 00:00 FOT		0	Courses Department of Histories
	08/27/11 23:00 EST		0	Source: Department of Highways
		d Baltimore-Anna <sub>l</sub>		, ,
uring the event.  BALTIMORE CITY (C) COUNTY 0.6 SSE CLIF	ed between Central Avenue an		polis Boulevard. A	nearby rain gage measured 5.92 inches
uring the event.  ALTIMORE CITY (C) COUNTY 0.6 SSE CLIF	ed between Central Avenue an		polis Boulevard. A	nearby rain gage measured 5.92 inches
uring the event.  BALTIMORE CITY (C) COUNTY 0.6 SSE CLIF	ed between Central Avenue and		oolis Boulevard. A	nearby rain gage measured 5.92 inches  FORD [39.24, -76.63], 0.6 SSE
Maryland State Route 176 was flooded and close during the event.  BALTIMORE CITY (C) COUNTY 0.6 SSE CLIF CLIFFORD [39.24, -76.63]  The 600 Block of West Patapsco Avenue was clo	ed between Central Avenue and FFORD [39.24, -76.63], 0.4 S C 08/27/11 19:43 EST 08/27/11 23:00 EST	LIFFORD [39.24, ·	oolis Boulevard. A -76.63], 0.5 S CLIF	nearby rain gage measured 5.92 inches  FORD [39.24, -76.63], 0.6 SSE  Flash Flood (due to Heavy Rain)
uring the event.  SALTIMORE CITY (C) COUNTY 0.6 SSE CLIF SLIFFORD [39.24, -76.63]  The 600 Block of West Patapsco Avenue was clo	ed between Central Avenue and FORD [39.24, -76.63], 0.4 S Cl 08/27/11 19:43 EST 08/27/11 23:00 EST osed due to flooding. A nearby	LIFFORD [39.24,	0 0 3.34 inches.	nearby rain gage measured 5.92 inches  FORD [39.24, -76.63], 0.6 SSE  Flash Flood (due to Heavy Rain)  Source: Department of Highways
BALTIMORE CITY (C) COUNTY 0.6 SSE CLIFCLIFFORD [39.24, -76.63] The 600 Block of West Patapsco Avenue was closed and the county 0.7 S GARDE	ed between Central Avenue and FORD [39.24, -76.63], 0.4 S Cl 08/27/11 19:43 EST 08/27/11 23:00 EST osed due to flooding. A nearby ENVILLE [39.34, -76.57], 0.7 S	LIFFORD [39.24,	0 0 3.34 inches.	nearby rain gage measured 5.92 inches  FORD [39.24, -76.63], 0.6 SSE  Flash Flood (due to Heavy Rain)  Source: Department of Highways
during the event.  BALTIMORE CITY (C) COUNTY 0.6 SSE CLIF CLIFFORD [39.24, -76.63]	ed between Central Avenue and FORD [39.24, -76.63], 0.4 S Cl 08/27/11 19:43 EST 08/27/11 23:00 EST osed due to flooding. A nearby	LIFFORD [39.24,	0 0 3.34 inches.	nearby rain gage measured 5.92 inches  FORD [39.24, -76.63], 0.6 SSE  Flash Flood (due to Heavy Rain)  Source: Department of Highways

Page 25 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Harford Road near Montibello Terrace w	vas closed due to flash flooding. A nea	arby rain gage tallie	d 4.59 inches.	
BALTIMORE CITY (C) COUNTY 0.8 E	E HILLEN [39.30, -76.58], 0.9 E HILLE	N [39.30, -76.58], 0	9 E HILLEN [39.30	0, -76.58], 0.8 ESE HILLEN [39.30,
-	08/27/11 19:43 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 23:00 EST		0	Source: Trained Spotter
McElderry Street near North Patterson Fevent.	Park Avenue was closed due to floodin	ng. A rain gage in d	owntown Baltimore	e measured 3.63 inches during the
ANNE ARUNDEL COUNTY 1.1 W LO 76.57], 1.1 WSW LONDONTOWNE [38.	= ' = '	SW LONDONTOWN	E [38.93, -76.57],	0.9 WSW LONDONTOWNE [38.93,
2	08/27/11 21:27 EST		0	Flash Flood (due to Heavy Rain)
	08/27/11 23:00 EST		0	Source: Department of Highways
State Route 214 closed at State Route 2	2 due to flash flooding. A rain gage ne	ear the event record	ed 5.77 inches.	
BALTIMORE COUNTY 0.7 N POPLA	R [39.36, -76.45], 1.1 N POPLAR [39.3	37, -76.45], 1.1 N PC	OPLAR [39.37, -76	.45], 0.9 N POPLAR [39.36, -76.45] Flash Flood (due to Heavy Rain)
	08/28/11 02:00 EST		0	Source: Department of Highways
State Route 7 was flooded and closed a	t Mohrs Lane. A nearby rain gage rec	corded 4.45 inches.		
BALTIMORE COUNTY 0.9 SW CHAS 76.39]	SE [39.34, -76.39], 1.1 WSW CHASE [3	39.34, -76.40], 0.8 W	/SW CHASE [39.3	5, -76.39], 0.7 WSW CHASE [39.34,
70.00]	08/28/11 00:57 EST		0	Flash Flood (due to Heavy Rain)
	08/28/11 02:00 EST		0	Source: Department of Highways
BT. MARY'S COUNTY 0.5 W CLEME 38.33, -76.72]	NTS [38.33, -76.73], 0.3 NW CLEMEN	TS [38.33, -76.72],	0.1 SE CLEMENTS	S [38.33, -76.72], 0.4 SSW CLEMENTS
•	08/28/11 01:15 EST		0	Flood (due to Heavy Rain)
	08/28/11 07:00 EST		0	Source: Other Federal Agency
The river gauge on Saint Clement Creek reek a total of 10.40 inches was reported		ge of 6.98 feet. Rec	ords date back to	1968. At a rain gauge closest to the
HARFORD COUNTY 0.9 NNW EDGE BIBBER [39.44, -76.30]	WOOD [39.43, -76.30], 0.7 WSW VAN	BIBBER [39.45, -7	6.31], 0.1 ESE VA	N BIBBER [39.45, -76.30], 0.9 S VAN
NBB211 [661-44, 76166]	08/28/11 02:08 EST		0	Flood (due to Heavy Rain)
	08/28/11 08:00 EST		0	Source: Department of Highways
State Route 7 was flooded and closed b	etween Edgewood Road and Marylan	d Route 24. The hi	ghest total from a	rain gauge nearby was 5.26 inches.
BALTIMORE COUNTY 0.9 SW CHAS	SE [39.34, -76.39], 1.1 WSW CHASE [3	39.34, -76.40], 0.9 W	/SW CHASE [39.3	4, -76.40], 0.8 SW CHASE [39.34,
76.39]	08/28/11 02:20 EST		0	Flood (due to Heavy Rain)
	08/28/11 08:00 EST		0	Source: Department of Highways
State Route 150 was closed due to floor	ding from earlier rainfall. A nearby rair	n gauge recorded 4.	44 inches during t	he storm.
ANNE ARUNDEL COUNTY 0.9 SE L' LYONS CREEK [38.76, -76.65]	YONS CREEK [38.76, -76.66], 0.6 ESE	E LYONS CREEK [3	8.77, -76.66], 0.8 E	E LYONS CREEK [38.77, -76.66], 1.1 SE
	08/28/11 06:00 EST		0	Flood (due to Heavy Rain)
• • • • • • • • • • • • • • • • • • • •	00/20/11 00:00 201			
,	08/28/11 11:00 EST		0	Source: Trained Spotter
Flooding was reported along Lyons Cree	08/28/11 11:00 EST	A nearby rain gauge		Source: Trained Spotter

waters rose. Storm total rainfall from Irene reached 12.00 in spots.

Page 26 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
, , , , ,	CARROLL, (MD-Z006) NORTHERN BALTIM ALTIMORE, (MD-Z013) PRINCE GEORGES			,
, c, (	08/27/11 12:00 EST		12.15M	Tropical Storm
			_	
Hurricane Irene tracked up the Mid-	08/28/11 09:00 EST  Atlantic Coast during the evening hours o	f the 27th throug	0 h the early more	ning hours of the 28th.
rene passed by just to the east of C 958 millibars and maximum sustain	08/28/11 09:00 EST  Atlantic Coast during the evening hours o Ocean City, Maryland during the early more ed winds were 80 mph, making Irene a cat d near and east of the Interstate 95 Corrid	ning hours of the tegory one hurric	h the early more 28th. The minir ane. Irene prode	num central pressure was uced tropical storm

OUDOUN COUNTY 1.1 ENE LEE	SBURG MUNI [39.08, -77.53]		
	08/01/11 15:00 EST	5K	Thunderstorm Wind (EG 50 kt)
	08/01/11 15:00 EST	0	Source: Emergency Manager
ees were down across southeasterr	n Leesburg.		
OUDOUN COUNTY 1.6 SE LINCO	DLN [39.10, -77.66]		
	08/01/11 16:03 EST	2K	Thunderstorm Wind (EG 52 kt)
	08/01/11 16:03 EST	0	Source: Public
rees were down along Hughesville R	load and adjacent proporties.		
OUDOUN COUNTY 1.6 SE LINCO	DLN [39.10, -77.66]		
	08/01/11 16:03 EST	2K	Thunderstorm Wind (EG 52 kt)
	08/01/11 16:03 EST	0	Source: Emergency Manager
rees were down along Hughesville R	load.		
OUDOUN COUNTY 1.4 SSE LINC	COLN [39.10, -77.67]		
	08/01/11 16:05 EST	0	Hail (1.00 in)
	08/01/11 16:05 EST	0	Source: Public
Quarter sized hail was measured in H	ughesville.		
FAIRFAX COUNTY 0.8 NE ILDA [3	8.84, -77.24]		
	08/01/11 16:07 EST	2K	Thunderstorm Wind (EG 50 kt)
	08/01/11 16:07 EST	0	Source: Emergency Manager
Frees were down at Wakefield Chape	Road and Little River Turnpike.		
FAIRFAX COUNTY 1.0 NNE RAVE			
	08/01/11 16:12 EST	5K	Thunderstorm Wind (EG 52 kt)
	08/01/11 16:12 EST	0	Source: Emergency Manager
rees that were fourteen inches in dia	meter were down at Braddock Road and Ravens	worth Road.	
FAIRFAX COUNTY 1.3 WNW FAIR	FAX PARK [38.78, -77.27]		
	08/01/11 16:15 EST	0	Thunderstorm Wind (EG 50 kt)
	08/01/11 16:15 EST	0	Source: Trained Spotter

Page 27 of 40 Printed on: 11/16/2011

LOUDOUN COUNTY --- 0.3 WNW LENAH [38.95, -77.58]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/01/11 16:30 EST		5K	Thunderstorm Wind (EG 50 kt)
	08/01/11 16:30 EST		0	Source: State Official
Trees were down along Route 50 between A	Aldie and Arcola.			
LOUDOUN COUNTY 0.3 SW LEESBURG	6 MUNI [39.08, -77.55] 08/01/11 17:05 EST		0	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:05 EST		0	Source: State Official
A constitution of the state of			v	course, ctate cv.a.
A small plane was toppled at the Leesburg B	executive Airport.			
LOUDOUN COUNTY 1.4 NNE WATSON	[39.02, -77.57]			
	08/01/11 17:25 EST		0	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:25 EST		5K	Source: Public
Widespread wind damage to corn crop was	reported.			
LOUDOUN COUNTY 1.2 ESE ALDIE [38.	96, -77.61]			
-	08/01/11 17:27 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:27 EST		0	Source: NWS Employee
A large tree was snapped near the Mt. Zion	Cemetery.			
LOUDOUN COUNTY 1.4 NNW PURCELL	VILLE [39.17, -77.73]			
	08/01/11 17:31 EST		1K	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:31 EST		0	Source: State Official
A couple of trees were down along Hillsboro	Road in Purcellville.			
LOUDOUN COUNTY 0.6 NNE PURCELL	VILLE [39.16, -77.71]			
	08/01/11 17:35 EST		3K	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:35 EST		0	Source: State Official
Trees were down near the intersection of Pu	urcellville Road and Allder School F	Road.		
KING GEORGE COUNTY 0.5 E FAIRVIE	W BEACH [38.33, -77.24]			
	08/01/11 17:45 EST		50K	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:45 EST		0	Source: Trained Spotter
Trees were on homes and many power lines	s were down.			
KING GEORGE COUNTY 1.9 ESE FAIRV				
	08/01/11 17:45 EST		5K	Thunderstorm Wind (EG 61 kt)
	08/01/11 17:45 EST		0	Source: Trained Spotter
Trees up to ten inches in diameter were sna	pped thirty to forty feet up.			
LOUDOUN COUNTY 1.2 NW RAEONIAN	SPGS [39.16, -77.64]			
	08/01/11 17:45 EST		3K	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:45 EST		0	Source: State Official
Trees were down near Hamilton Station Roa	ad and Route 9.			
KING GEORGE COUNTY 1.5 NNE WEEL	OONVILLE [38.30, -77.16]			
	08/01/11 17:46 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:46 EST		0	Source: Trained Spotter
Two trees were knocked down.				
KING GEORGE COUNTY 0.7 N GERA [3	8.24, -77.17]			
	08/01/11 17:56 EST		0	Hail (1.00 in)
	08/01/11 17:56 EST		0	Source: Public

Page 28 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Quarter sized hail was estimated.				
KING GEORGE COUNTY 0.7 NNW GERA	[38.24, -77.17]			
	08/01/11 17:56 EST		0	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:56 EST		0	Source: Public
Multiple tree limbs that were four to five inche	es in diameter were down.			
KING GEORGE COUNTY 0.8 N GERA [38	.24, -77.17]			
	08/01/11 17:56 EST		0	Hail (1.00 in)
	08/01/11 17:56 EST		0	Source: Public
Quarter sized hail was estimated.				
KING GEORGE COUNTY 0.8 N GERA [38	.24, -77.17]			
-	08/01/11 17:56 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:56 EST		0	Source: Public
Several tree limbs that were a few inches in c	liameter were knocked down.			
KING GEORGE COUNTY 1.0 NNE GERA	[38.24, -77.16]			
	08/01/11 17:56 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:56 EST		0	Source: Public
Multiple tree limbs that were four to five inche	es in diameter were blown down.			
KING GEORGE COUNTY 1.3 SSE KING G	<b>EEORGE [38.25, -77.16]</b> 08/01/11 17:56 EST		0	Hail (1.00 in)
	08/01/11 17:56 EST		0	Source: Public
	00/01/11 17.30 L31		O	Source. Fublic
Quarter sized hail was reported near King Ge	eorge.			
KING GEORGE COUNTY 0.3 SSE JERSE	= = = = = = = = = = = = = = = = = = = =			
	08/01/11 18:03 EST		1K	Thunderstorm Wind (EG 56 kt)
	08/01/11 18:03 EST		0	Source: Trained Spotter
A tree was down on Route 625 east of Route	301.			
KING GEORGE COUNTY 0.7 NNW LAMB				
	08/01/11 18:22 EST		5K	Thunderstorm Wind (EG 56 kt)
	08/01/11 18:22 EST		0	Source: Trained Spotter
Trees were snapped above the ground level i	near Birchwood Creek.			
An upper-level ridge was centered over the between these two systems caused colder aloft to produce moderate amounts of insta	air aloft to move overhead. Warı bility. A pressure trough at the s	m and moist air at surface caused sh	the surface combined the surfa	ined with the colder air
Moderate instability caused some thunders				
CULPEPER COUNTY 0.4 WNW CULPEPE	ER [38.48, -78.01], 1.4 ENE CULP	EPER [38.49, -77.9	97], 2.3 WSW INLE	T [38.46, -77.96], 2.3 SW CULPEPER
[38.45, -78.03]				
	08/06/11 20:50 EST		0	Flash Flood (due to Heavy Rain)
	08/06/11 20:50 EST 08/06/11 23:00 EST		0	Flash Flood (due to Heavy Rain) Source: State Official

The public reported a bridge was washed out on Spring Creek Drive. A nearby spotter observed 6.85 inches of rain.

08/06/11 21:00 EST

08/06/11 23:00 EST

SHOP [38.42, -78.04]

CULPEPER COUNTY --- 1.1 E WHITE SHOP [38.43, -78.05], 1.2 SE WHITE SHOP [38.42, -78.05], 1.3 SE WHITE SHOP [38.42, -78.05], 1.5 ESE WHITE

0

0

Page 29 of 40 Printed on: 11/16/2011

Source: Public

Flash Flood (due to Heavy Rain)

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	<b>Event Type and Details</b>
		injunes	Crop bing	
ULPEPER COUNTY 0.7 S CULPE 8.48, -77.98]	PER [38.47, -78.00], 0.8 SW CULPEPER	R [38.47, -78.01], 0	.4 ENE CULPEPER	R [38.48, -77.99], 1.0 E CULPEPER
55.45, 77.55]	08/06/11 21:30 EST		0	Flash Flood (due to Heavy Rain)
	08/06/11 23:00 EST		0	Source: State Official
wo separate rescues were conducted	d from vehicles trapped in flood waters.			
CULPEPER COUNTY 2.3 SSE CUL	PEPER [38.45, -77.98], 2.1 SE CULPEP	ER [38.46, -77.97]	, 1.8 SW INLET [38	3.46, -77.95], 2.2 SW INLET [38.45,
-77.95]	08/06/11 21:30 EST		0	Flash Flood (due to Heavy Rain)
	08/06/11 23:00 EST		0	Source: State Official
Nator rosque was performed for vahia		gago recorded 4.3		Course. Clare Ciliolal
valer rescue was performed for verific	le caught in flood waters. A nearby rain	gage recorded 4.3	or inches.	
<del>-</del>	undary in association with a broad upp	•	-	
	evening. Thunderstorms trained north	-	• • •	
	roduced flash flooding in portions of th	e county. A maxi	mum measured ra	infall total of 7.9 inches
was reported near Winston.				
GREENE COUNTY 0.4 SSW MARC	CH [38.2678.53]			
2.1.20	08/07/11 15:08 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/07/11 15:08 EST		0	Source: State Official
A large tree was down near the interse	ection of Dyke Road and Big Sky Lane.			
ALBEMARLE COUNTY 2.8 ESE NO				
	08/07/11 15:19 EST		5K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:19 EST		0	Source: State Official
Trees were down near the intersection	of Simmons Gap Road and Estes Ridge	9		
rrees were down near the intersection	Tor Similions Cap Road and Estes Ridge	<b>5.</b>		
ALBEMARLE COUNTY 2.3 WNW E	ADI VSVII I E [38 19 .78 52]			
ALBEMARLE COONTT 2:3 WINW E	08/07/11 15:21 EST		2K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:21 EST		0	Source: State Official
	00/07/11 10:21 201		· ·	Course. State Official
Trees were down near the intersection	of Markwood Road and Allen Road.			
ALDEMADI E COUNTY - 4 CANA CH	DEDT (00.45 - 70.00)			
ALBEMARLE COUNTY 1.6 NW GIL	08/07/11 15:41 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:41 EST		0	Source: State Official
	00/07/11 10:41 201		· ·	Godree. Glate Gillolai
A tree was down along Watts Passage	e.			
ORANGE COUNTY 1.4 NNE BARB			014	TI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	08/07/11 15:44 EST		3K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:44 EST		0	Source: State Official
Trees were down near the intersection	of Hardwick Mountain Drive and Chestr	nut Lane.		
		-		
ALBEMARLE COUNTY 1.6 SE STO	DNY PT [38.10, -78.36]			
	08/07/11 15:46 EST		2K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:46 EST		0	Source: State Official
Trees were down near the intersection	of Stoney Point Pass and Beasley Lane	<del>)</del> .		
ORANGE COUNTY 1.4 SSW MONT	FPELIER [38.2178.19]			
	08/07/11 15:52 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:52 EST		0	Source: State Official
	33,37,11 73.02 231		Ÿ	Tourse state official

Two large trees were down across Jacksontown Road near Anderson Drive.

Page 30 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ORANGE COUNTY 1.0 SSW GORDO	• • •			
	08/07/11 15:55 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/07/11 15:55 EST		0	Source: State Official
A tree was down along Linney Street.				
A cold front passed through central Vir damaging wind gusts.	ginia on the 7th. Moderate instability	ahead of the fron	nt caused some th	understorms to produce
SHENANDOAH COUNTY 1.4 NE WOO	ODSTOCK [38.89, -78.50]			
	08/13/11 12:58 EST		10K	Thunderstorm Wind (EG 66 kt)
	08/13/11 12:58 EST		0	Source: State Official
There was damage to a roof at the Shena	andoah Valley Thrift Store.			
SHENANDOAH COUNTY 1.4 E QUICE	KSBURG [38.68, -78.65]			
	08/13/11 15:28 EST		2K	Thunderstorm Wind (EG 61 kt)
	08/13/11 15:28 EST		0	Source: Public
Numerous large limbs and a couple of tre	ees were down near Quicksburg.			
AUGUSTA COUNTY 0.5 WSW DEERF	FIELD [38,20, -79,411			
	08/13/11 17:08 EST		2K	Thunderstorm Wind (EG 52 kt)
	08/13/11 17:08 EST		0	Source: Fire Department/Rescue
To a constant of the state of t	to de			
A stationary boundary remained over the stationary boundary remained over the stationary with the state of the stationary because the stationary boundary remained over the stationary because the	ne region during the 13th. Moderate ind gusts across central Virginia.	_		oundary caused a few  ELD [37.92, -78.84], 1.0 SSE GREENFIELD
A stationary boundary remained over the thunderstorms to produce damaging water the county 0.9 SE GREENFIE	ne region during the 13th. Moderate ind gusts across central Virginia.	_		
A stationary boundary remained over the thunderstorms to produce damaging water the county 0.9 SE GREENFIE	ne region during the 13th. Moderate ind gusts across central Virginia. LD [37.92, -78.84], 0.9 SE GREENFIE	_	1.1 SE GREENFIE	ELD [37.92, -78.84], 1.0 SSE GREENFIELD
A stationary boundary remained over thunderstorms to produce damaging w NELSON COUNTY 0.9 SE GREENFIE [37.92, -78.84]	the region during the 13th. Moderate ind gusts across central Virginia.  CLD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST	_	. <b>1.1 SE GREENFIE</b>	ELD [37.92, -78.84], 1.0 SSE GREENFIELD  Flash Flood (due to Heavy Rain)
A stationary boundary remained over the thunderstorms to produce damaging we nelson COUNTY 0.9 SE GREENFIE [37.92, -78.84]  Rockfish Valley Highway was closed due nelson COUNTY 2.4 NW TYRO [37.	he region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST	LD [37.92, -78.84]	1.1 SE GREENFIE 0 0	ELD [37.92, -78.84], 1.0 SSE GREENFIELD  Flash Flood (due to Heavy Rain)  Source: Department of Highways
A stationary boundary remained over the thunderstorms to produce damaging we nelson COUNTY 0.9 SE GREENFIE [37.92, -78.84]  Rockfish Valley Highway was closed due nelson COUNTY 2.4 NW TYRO [37.	he region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST	LD [37.92, -78.84]	1.1 SE GREENFIE 0 0	ELD [37.92, -78.84], 1.0 SSE GREENFIELD  Flash Flood (due to Heavy Rain)  Source: Department of Highways
A stationary boundary remained over the thunderstorms to produce damaging water than the third than the third than the third that the third than the third that the third than the third that the third than the third t	he region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  to flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.03]	LD [37.92, -78.84]	0 0 0 0	FLD [37.92, -78.84], 1.0 SSE GREENFIELD  Flash Flood (due to Heavy Rain)  Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N
A stationary boundary remained over the thunderstorms to produce damaging we nelson COUNTY 0.9 SE GREENFIE [37.92, -78.84]  Rockfish Valley Highway was closed due nelson COUNTY 2.4 NW TYRO [37. TYRO [37.82, -79.00]	he region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  08/13/11 23:00 EST  08/13/11 23:00 EST  08/14/11 02:00 EST	LD [37.92, -78.84]	0 0 0 0 0 0 [37.81, -79.01], 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain)
A stationary boundary remained over the thunderstorms to produce damaging we need to complete the state of th	ne region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  et of flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST  08/13/11 23:00 EST  08/14/11 02:00 EST	LD [37.92, -78.84]	0 0 0 0 O [37.81, -79.01], 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain)
A stationary boundary remained over the thunderstorms to produce damaging we need to complete the state of th	ne region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  * to flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.  08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding.	LD [37.92, -78.84]	0 0 0 0 0 (0) 0 (0) 0 (1.1 SE GREENFIE 0 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways
A stationary boundary remained over the thunderstorms to produce damaging we need to complete the state of th	ne region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  eto flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST  08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding	LD [37.92, -78.84]	0 0 0 0 0 (37.81, -79.01), 0 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways
[37.92, -78.84]  Rockfish Valley Highway was closed due  NELSON COUNTY 2.4 NW TYRO [37.  TYRO [37.82, -79.00]  Crabtree Falls Highway near Cub Creek    NELSON COUNTY 2.3 ENE GREENFI [37.93, -78.83]	ne region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  08/13/11 23:00 EST  08/13/11 23:00 EST  08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding  ELD [37.94, -78.81], 1.7 ENE GREEN  08/14/11 01:00 EST  08/14/11 03:00 EST	LD [37.92, -78.84]	0 0 0 0 0 (37.81, -79.01), 0 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways
A stationary boundary remained over the thunderstorms to produce damaging we need to complete the state of th	ne region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  08/13/11 23:00 EST  08/13/11 23:00 EST  08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding  ELD [37.94, -78.81], 1.7 ENE GREEN  08/14/11 01:00 EST  08/14/11 03:00 EST	LD [37.92, -78.84]	0 0 0 0 0 (37.81, -79.01), 0 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  0.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways
A stationary boundary remained over the thunderstorms to produce damaging we need to produce the need to p	ne region during the 13th. Moderate ind gusts across central Virginia.  LD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  e to flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding  ELD [37.94, -78.81], 1.7 ENE GREEN  08/14/11 01:00 EST  08/14/11 03:00 EST  coding in several spots. At least one verse of the several spots.	LD [37.92, -78.84]  03], 1.0 SSW TYR  FIELD [37.94, -78.64)	0 0 0 0 0 (37.81, -79.01), 0 0 0 82], 1.2 ENE GREE 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official
A stationary boundary remained over the thunderstorms to produce damaging with understorms to understorms to understorms the understorms to understorms the understorms to understorm the understorm the understorms to understorm the un	he region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST  08/14/11 02:00 EST  it of flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST  08/14/11 02:00 EST  Road was closed due to flash flooding  IELD [37.94, -78.81], 1.7 ENE GREEN  08/14/11 01:00 EST  08/14/11 03:00 EST  podding in several spots. At least one virging in several spots. At least one virging in several spots. At least one virging in several spots.	LD [37.92, -78.84]  03], 1.0 SSW TYR  FIELD [37.94, -78.64)	0 0 0 0 0 (37.81, -79.01), 0 0 0 82], 1.2 ENE GREE 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official  N ADIAL [37.88, -78.82] Flash Flood (due to Heavy Rain)
A stationary boundary remained over the thunderstorms to produce damaging with understorms to understorms to understorms the understorms to understorm the understorms to understorm the understorms to understorm the understorm the understorms to understorm the understorm the understorms to understorm the understorm	ne region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST 08/14/11 02:00 EST  et o flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST 08/14/11 02:00 EST  Road was closed due to flash flooding  IELD [37.94, -78.81], 1.7 ENE GREEN 08/14/11 01:00 EST 08/14/11 03:00 EST  coding in several spots. At least one virginia in the several spots and several spots.  9, -78.82], 2.4 NNE ADIAL [37.88, -78.08/14/11 01:00 EST 08/14/11 01:00 EST	LD [37.92, -78.84]  03], 1.0 SSW TYR  FIELD [37.94, -78.  vehicle was strando	0 0 0 0 0 0 0 0 0 0 0 82], 1.2 ENE GREE 0 0 0 ed.	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official
A stationary boundary remained over the thunderstorms to produce damaging we need to produce the need to produ	ne region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST 08/14/11 02:00 EST  et o flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST 08/14/11 02:00 EST  Road was closed due to flash flooding  IELD [37.94, -78.81], 1.7 ENE GREEN 08/14/11 01:00 EST 08/14/11 03:00 EST  coding in several spots. At least one virginia in the several spots and several spots.  9, -78.82], 2.4 NNE ADIAL [37.88, -78.08/14/11 01:00 EST 08/14/11 01:00 EST	LD [37.92, -78.84]  03], 1.0 SSW TYR  FIELD [37.94, -78.  vehicle was strando	0 0 0 0 0 0 0 0 0 0 0 82], 1.2 ENE GREE 0 0 0 ed.	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official  N ADIAL [37.88, -78.82] Flash Flood (due to Heavy Rain)
A stationary boundary remained over the thunderstorms to produce damaging we need to produce the need to produce the produce produce we need to produce pr	ne region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST 08/14/11 02:00 EST  it of flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST 08/14/11 02:00 EST  Road was closed due to flash flooding.  IELD [37.94, -78.81], 1.7 ENE GREEN 08/14/11 01:00 EST 08/14/11 03:00 EST  odding in several spots. At least one virginial of the several spots of the several spots. At least one virginial of the several spots of the several spots of the several spots. At least one virginial of the several spots of the several spots of the several spots of the several spots.	LD [37.92, -78.84]  .03], 1.0 SSW TYR  FIELD [37.94, -78  vehicle was strande .81], 1.8 N ADIAL	0 0 0 0 0 0 0 0 0 0 82], 1.2 ENE GREE 0 0 0 ed.	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official  N ADIAL [37.88, -78.82] Flash Flood (due to Heavy Rain) Source: State Official
A stationary boundary remained over the thunderstorms to produce damaging we need to produce the need to p	ne region during the 13th. Moderate ind gusts across central Virginia.  ILD [37.92, -78.84], 0.9 SE GREENFIE  08/13/11 23:00 EST 08/14/11 02:00 EST  it of flash flooding.  85, -79.03], 2.4 NW TYRO [37.84, -79.08/13/11 23:00 EST 08/14/11 02:00 EST  Road was closed due to flash flooding.  IELD [37.94, -78.81], 1.7 ENE GREEN 08/14/11 01:00 EST 08/14/11 03:00 EST  odding in several spots. At least one virginial of the several spots of the several spots. At least one virginial of the several spots of the several spots of the several spots. At least one virginial of the several spots of the several spots of the several spots of the several spots.	LD [37.92, -78.84]  .03], 1.0 SSW TYR  FIELD [37.94, -78  vehicle was strande .81], 1.8 N ADIAL	0 0 0 0 0 0 0 0 0 0 82], 1.2 ENE GREE 0 0 0 ed.	Flash Flood (due to Heavy Rain) Source: Department of Highways  D.7 S TYRO [37.81, -79.00], 0.3 N  Flash Flood (due to Heavy Rain) Source: Department of Highways  ENFIELD [37.93, -78.83], 1.3 E GREENFIELD  Flash Flood (due to Heavy Rain) Source: State Official  N ADIAL [37.88, -78.82] Flash Flood (due to Heavy Rain) Source: State Official

Page 31 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Rockfish River was out of its banks and flood	ing yards.			
IELSON COUNTY 5.1 ESE GREENFIELD	[37.91, -78.76], 5.4 E GREENFIE	ELD [37.92, -78.75]	5.2 E GREENFIEL	_D [37.92, -78.76], 4.6 ESE GREENFIELD
37.91, -78.77]	08/14/11 18:50 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 21:00 EST		0	Source: Department of Highways
Toulous Creals Dood was aloned due to flock			Ü	course. Department of Finginia, c
aylors Creek Road was closed due to flash	nooding on Taylors Creek.			
NELSON COUNTY MASSIES MILL [37.78	, -79.00], 0.2 NE MASSIES MILL	[37.78, -79.00], 0.2	ENE MASSIES MI	LL [37.78, -79.00], 0.3 S MASSIES
MILL [37.78, -79.00]	08/14/11 18:50 EST		0	Flash Flood (due to Heavy Rain)
	08/14/11 21:00 EST		0	Source: Department of Highways
Riverside Loop was closed due to flash floodi	ing.			
ALBEMARLE COUNTY 1.1 E FARMINGTO	ON 129 05 79 521 4 2 5 5 ADMIN	GTON [39 05 79	521 4 4 E FADMIN	GTON 129 05 79 521 4 2 5
FARMINGTON [38.05, -78.53]	ON [30.03, -70.33], 1.3 E FARMIN	O I ON [30.03, -/8.	JJ, I.+ E FARIVIN	O 1 O 14 [30.00, -10.32], 1.3 E
- · · · •	08/14/11 23:00 EST		0	Flood (due to Heavy Rain)
	08/15/11 05:00 EST		0	Source: Department of Highways
The ramp from Route 601 onto Highway 250	closed due to standing water.			
Deep layer southerly flow advected a moist	. tropical airmass into the Mid-A	tlantic. As low pr	essure approache	d from the west, periods
of heavy rain and thunderstorms moved ac	•	•	• •	• •
resulted in some areas. A spotter in Albem	<del>-</del>	=		· ·
CHARLOTTESVILLE (C) COUNTY 0.9 EN	=	8.49]	EI/	Thursdown Wind (FO FO Lt)
	08/14/11 17:48 EST 08/14/11 17:48 EST		5K 0	Thunderstorm Wind (EG 52 kt) Source: State Official
	00/14/11 17.40 EST		U	Source. State Official
Trees were down in the city of Charlottesville				
Trees were down in the city of Charlottesville  NELSON COUNTY 1.1 ENE ARRINGTON				
·	[37.68, -78.90] 08/14/11 18:14 EST		5K	Thunderstorm Wind (EG 52 kt)
·	[37.68, -78.90]		5K 0	Thunderstorm Wind (EG 52 kt) Source: State Official
IELSON COUNTY 1.1 ENE ARRINGTON	[37.68, -78.90] 08/14/11 18:14 EST			,
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST			,
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST			,
·	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST		0	Source: State Official
NELSON COUNTY 1.1 ENE ARRINGTON  Trees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD [	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST	I, Williamstown Ro	35K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD    Approximately forty to fifty trees were down in	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road	I, Williamstown Ro	35K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD    Approximately forty to fifty trees were down in	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road	I, Williamstown Ro	35K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road	I, Williamstown Ro	0 35K 0 ad, and Wilson Roa	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD    Approximately forty to fifty trees were down in	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST  [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST	I, Williamstown Ro	0 35K 0 ad, and Wilson Roa	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt)
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST  [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.	·	0 35K 0 ad, and Wilson Roa 1K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in  LOUDOUN COUNTY 2.2 NE TAYLORSTO  A large tree was down on Route 15 blocking in  An upper-level trough was over the region of to develop. A surface trough triggered show	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST  [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.  on the 14th. Colder air aloft due	to the upper troug	0 35K 0 ad, and Wilson Roa 1K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee  te amounts of instability
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in  LOUDOUN COUNTY 2.2 NE TAYLORSTO  A large tree was down on Route 15 blocking in  An upper-level trough was over the region of develop. A surface trough triggered show the moderate instability.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.  on the 14th. Colder air aloft due wers and thunderstorms and sol	to the upper troug	0 35K 0 ad, and Wilson Roa 1K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee  te amounts of instability
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in  LOUDOUN COUNTY 2.2 NE TAYLORSTO  A large tree was down on Route 15 blocking in  An upper-level trough was over the region of develop. A surface trough triggered show the moderate instability.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.  on the 14th. Colder air aloft due wers and thunderstorms and sol	to the upper troug	0 35K 0 ad, and Wilson Roa 1K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee  te amounts of instability
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in  LOUDOUN COUNTY 2.2 NE TAYLORSTO  A large tree was down on Route 15 blocking in  An upper-level trough was over the region of develop. A surface trough triggered show the moderate instability.	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST  [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.  on the 14th. Colder air aloft due wers and thunderstorms and soi	to the upper troug	35K 0 ad, and Wilson Roa 1K 0	Source: State Official  Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee  te amounts of instability ing wind gusts due to
NELSON COUNTY 1.1 ENE ARRINGTON  Frees were down on Arrington Road.  NELSON COUNTY 1.4 NNW NORWOOD I  Approximately forty to fifty trees were down in  LOUDOUN COUNTY 2.2 NE TAYLORSTO	[37.68, -78.90] 08/14/11 18:14 EST 08/14/11 18:14 EST  [37.67, -78.84] 08/14/11 18:20 EST 08/14/11 18:20 EST on the area from Variety Mills Road  DWN [39.27, -77.55] 08/14/11 19:22 EST 08/14/11 19:22 EST traffic.  on the 14th. Colder air aloft due wers and thunderstorms and soil  [38.86, -77.28] 08/18/11 16:24 EST	to the upper troug	35K 0 ad, and Wilson Roa 1K 0 gh caused modera produced damag	Thunderstorm Wind (EG 61 kt) Source: Emergency Manager ad.  Thunderstorm Wind (EG 52 kt) Source: NWS Employee  te amounts of instability ing wind gusts due to  Hail (1.00 in)

LOUDOUN COUNTY --- 1.9 SSE WAXPOOL [39.00, -77.50]

Page 32 of 40 Printed on: 11/16/2011

08/18/11 16:55 EST 08/18/11 16:55 EST Quarter sized hail was reported near Herndon.  FAIRFAX COUNTY 1.0 S SUNSET HILLS [38.93, -77.35] 08/18/11 17:00 EST 08/18/11 17:00 EST	rees.	0 0 0.50K 0	Hail (1.00 in) Source: NWS Employee  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter
Quarter sized hail was reported near Herndon.  FAIRFAX COUNTY 1.0 S SUNSET HILLS [38.93, -77.35]  08/18/11 17:00 EST 08/18/11 17:00 EST	rees.	0.50K	Thunderstorm Wind (EG 50 kt)
FAIRFAX COUNTY 1.0 S SUNSET HILLS [38.93, -77.35] 08/18/11 17:00 EST	rees.		
08/18/11 17:00 EST 08/18/11 17:00 EST	rees.		
08/18/11 17:00 EST	rees.		
	rees.	U	Source: Trained Spotter
Tree limbs that were two inches in diameter were snapped off softwood to			
LOUDOUN COUNTY 0.5 NNE STERLING [39.01, -77.42]			
08/18/11 17:07 EST		0	Hail (1.00 in)
08/18/11 17:07 EST	•	0	Source: Trained Spotter
Quarter sized hail was reported in Sterling.			
LOUDOUN COUNTY 2.2 SSW BROAD RUN FARMS [39.00, -77.39]			
08/18/11 17:08 EST	•	0	Hail (1.00 in)
08/18/11 17:08 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Sterling Park.			
PRINCE WILLIAM COUNTY 1.3 WSW CATHARPIN [38.84, -77.59]			
08/18/11 18:15 EST	•	0	Hail (1.00 in)
08/18/11 18:15 EST		0	Source: Public
Quarter sized hail was reported near Catharpin.			
PRINCE WILLIAM COUNTY 1.2 SE CATHARPIN [38.84, -77.55]			
08/18/11 18:26 EST		0	Hail (1.50 in)
08/18/11 18:26 EST		0	Source: Public
Hail up to ping pong balls in size was reported near Catharpin.			
FAIRFAX COUNTY 3.2 WNW BULL RUN [38.84, -77.54]			
08/18/11 18:30 EST	•	0	Hail (1.75 in)
08/18/11 18:30 EST		0	Source: Trained Spotter
Golf ball sized hail was reported.			
PRINCE WILLIAM COUNTY OF FOE OF THE PRINCES OF TAXABLE			
PRINCE WILLIAM COUNTY 2.1 ESE CATHARPIN [38.84, -77.53] 08/18/11 18:30 EST		0	Hail (1.75 in)
08/18/11 18:30 EST		0	Source: Public
Hail up to golf balls in size was reported.			
WARREN COUNTY 1.6 W BROWNTOWN [38.80, -78.26]		0	Hell (4.00 in)
08/18/11 18:33 EST		0	Hail (1.00 in)
08/18/11 18:33 EST		0	Source: Public
Quarter sized hail was reported near Browntown.			
SHENANDOAH COUNTY 1.4 NNW WOODSTOCK [38.90, -78.53]			
08/18/11 18:54 EST		1K	Thunderstorm Wind (EG 50 kt)
08/18/11 18:54 EST		0	Source: State Official
A tree was down near the intersection of Fravel Road and Spring Hollow	Road.		
LOUDOUN COUNTY 2.0 SSW PLEASANT VLY [38.89, -77.49]			
08/18/11 19:00 EST	•	0	Hail (1.75 in)
08/18/11 19:00 EST		0	Source: Public

Page 33 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Golf ball sized hail was reported near the Dulles Air	rport.			
LOUDOUN COUNTY 0.5 ENE WAXPOOL [39.02				
	08/18/11 20:20 EST		0	Hail (1.00 in)
	08/18/11 20:20 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Ashburn.				
RAPPAHANNOCK COUNTY 0.9 NW ROCK MIL	LS [38.66, -78.14]			
	08/18/11 21:32 EST		3K	Thunderstorm Wind (EG 50 kt)
	08/18/11 21:32 EST		0	Source: State Official
Trees were down on Rock Mills Road.				
RAPPAHANNOCK COUNTY 0.7 E BEU VENUE	[38 72 -78 07]			
	08/18/11 21:34 EST		3K	Thunderstorm Wind (EG 50 kt)
	08/18/11 21:34 EST		0	Source: State Official
Trees were down on Richmond Road.				
CULPEPER COUNTY 0.6 NW MONUMENT MIL	= =		0	Hail (4.00 in)
	08/18/11 21:54 EST 08/18/11 21:54 EST		0	Hail (1.00 in) Source: Public
	00/10/11 21.04 LOT		U	Course. I upilo
Quarter sized hail was reported near Viewtown.				
CULPEPER COUNTY 0.6 NW MONUMENT MIL	LS [38.61, -78.01]			
	08/18/11 21:56 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/18/11 21:56 EST		0	Source: Public
Large tree limbs were broken in thunderstorm wind	s.			
A southerly flow around high pressure off the ea	st coast produced hot and h	umid conditions	. The hot and hum	id conditions combined
with colder air aloft associated with an upper-lev				
developed produced damaging wind gusts and la	arge hail.			
FREDERICK COUNTY 1.1 ENE GREEN SPG [3:	9.30, -78.15]			
	08/19/11 16:28 EST		0	Hail (1.00 in)
	08/19/11 16:28 EST		0	Source: Public
Quarter sized hail was reported near Cedar Hill.				
FREDERICK COUNTY 0.9 E GRIMES [39.28, -7	<b>8.11]</b> 08/19/11 16:45 EST		10K	Thunderstorm Wind (EG 52 bt)
	08/19/11 16:45 EST		0	Thunderstorm Wind (EG 52 kt) Source: State Official
	50/19/11 10.40 E31		U	Cource. State Official
Two trees fell onto an automobile.				
PRINCE WILLIAM COUNTY 1.8 E KEPP [38.58,	-77.42]			
	08/19/11 17:44 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/19/11 17:44 EST		0	Source: Park/Forest Service
Law Enforcement moved a tree from Mawavi Road	in Prince William Forest Parl	k.		
FAIRFAY COUNTY 0.8 S. VIENNA 120.90 77.23	71			
FAIRFAX COUNTY 0.8 S VIENNA [38.89, -77.27	'J 08/19/11 18:19 EST		1K	Thunderstorm Wind (EG 50 kt)
	08/19/11 18:19 EST		0	Source: COOP Observer
			-	
A tree was down on a power line near the intersect	ion of Meadow Lane and Gib	son Drive.		
ADLINGTON COUNTY 44 NW DOSSI VN 122 0				

ARLINGTON COUNTY --- 1.1 NW ROSSLYN [38.89, -77.10]

Page 34 of 40 Printed on: 11/16/2011

		Injuries	Property & Crop Dmg	Event Type and Details	
	08/19/11 19:15 EST		0	Lightning	
	08/19/11 19:15 EST	2	0	Source: Broadcast Media	
Two people were struck by lightning at the into	ersection of Key Boulevard and F	ranklin Road.			
An upper-level trough provided cold air alof	t while warm and moist air rema	nined at the surfac	e. Moderate amou	ints of instability	
developed during the afternoon and evening	g hours. An isolated thundersto	rm was able to pro	oduce damaging v	rind gusts.	
FAIRFAX COUNTY 0.5 W MERRIFIELD [38 MERRIFIELD [38.87, -77.24]	8.87, -77.24], 0.9 WSW MERRIFIE	ELD [38.86, -77.24]	, 0.6 SW MERRIFI	ELD [38.86, -77.24], 0.5 WSW	
	08/19/11 18:52 EST		0	Flash Flood (due to Heavy Rain)	
	08/19/11 19:45 EST		0	Source: State Official	
vehicle was stuck in high water near the inte	ersection of Route 50 and Prospe	erity Avenue. A sw	ift water rescue wa	s performed.	
ARLINGTON COUNTY 0.7 N ROSSLYN [3	8.89, -77.08], 0.7 N ROSSLYN [3	8.89, -77.08], 0.5 N	ROSSLYN [38.89	-77.08], 0.5 NNW ROSSLYN [38.89,	
77.08], 0.5 NNW ROSSLYN [38.89, -77.08]				•	
	08/19/11 19:35 EST		0	Flash Flood (due to Heavy Rain)	
	08/19/11 20:00 EST		0	Source: State Official	
High water forced the partial closure of Route	50 between 10th Street North an	d North Queen Str	eet.		
<b>5</b>					
An upper-level disturbance combined with a			-		
evening hours. Very heavy rainfall rates wit	th some of this activity in the Wa	ashington, DC, su	burbs caused a fe	w flash floods.	
IICUI AND COUNTY A 4 SE CLOVED CDI	TEV (20.27 70.55)				
HIGHLAND COUNTY 0.1 SE CLOVER CRI	08/21/11 11:06 EST		0	Hail (1.00 in)	
	08/21/11 11:06 EST		0	Source: Public	
	00/2 // / / / / / / / / / / / / / / / /		· ·	330.00.1 45.00	
Quarter sized hail was reported at Clover Cree	ek.				
·					
·			1K	Thunderstorm Wind (EG 52 kt)	
·	[39.00, -77.80]		1K 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter	
OUDOUN COUNTY 1.8 S BLOOMFIELD	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST			· · · · · ·	
OUDOUN COUNTY 1.8 S BLOOMFIELD  A large tree broken due to thunderstorm winds	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s.			· · · · · ·	
OUDOUN COUNTY 1.8 S BLOOMFIELD  A large tree broken due to thunderstorm winds	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s.			· · · · · ·	
OUDOUN COUNTY 1.8 S BLOOMFIELD	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s.		0	Source: Trained Spotter	
OUDOUN COUNTY 1.8 S BLOOMFIELD A large tree broken due to thunderstorm wind: AUQUIER COUNTY 1.8 SE UPPERVILLE	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST		0	Source: Trained Spotter  Hail (1.75 in)	
OUDOUN COUNTY 1.8 S BLOOMFIELD  A large tree broken due to thunderstorm wind:  AUQUIER COUNTY 1.8 SE UPPERVILLE	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST		0	Source: Trained Spotter  Hail (1.75 in)	
Quarter sized hail was reported at Clover Cree  LOUDOUN COUNTY 1.8 S BLOOMFIELD  A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  LOUDOUN COUNTY 3.7 SW BLOOMFIELD	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST Ille.		0 0 0	Source: Trained Spotter  Hail (1.75 in)  Source: Public	
A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST Ille. D [38.99, -77.85] 08/21/11 12:21 EST		0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in)	
A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST Ille.		0 0 0	Source: Trained Spotter  Hail (1.75 in)  Source: Public	
OUDOUN COUNTY 1.8 S BLOOMFIELD A large tree broken due to thunderstorm winds CAUQUIER COUNTY 1.8 SE UPPERVILLE Golf ball sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s. E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST 08/21/11 12:21 EST 08/21/11 12:21 EST		0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in)	
A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  OUDOUN COUNTY 3.7 SW BLOOMFIELD  Quarter sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s.  E [38.98, -77.85] 08/21/11 12:21 EST		0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in)	
A large tree broken due to thunderstorm wind:  A UQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  OUDOUN COUNTY 3.7 SW BLOOMFIELD  Quarter sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST s.  E [38.98, -77.85] 08/21/11 12:21 EST		0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in)	
A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  OUDOUN COUNTY 3.7 SW BLOOMFIELD  Quarter sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  s.  [38.98, -77.85] 08/21/11 12:21 EST		0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public	
OUDOUN COUNTY 1.8 S BLOOMFIELD A large tree broken due to thunderstorm wind: AUQUIER COUNTY 1.8 SE UPPERVILLE COUNTY 3.7 SW BLOOMFIELD COUDOUN COUNTY 3.7 SW BLOOMFIELD COUDOUN COUNTY 3.5 SW BLOOMFIELD	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  S.  [38.98, -77.85] 08/21/11 12:21 EST		0 0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 56 kt)	
A large tree broken due to thunderstorm winds  A UQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  COUDOUN COUNTY 3.7 SW BLOOMFIELD  Quarter sized hail was reported near Uppervil  COUDOUN COUNTY 3.5 SW BLOOMFIELD  COUT large trees were down due to thundersto	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  S.  E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.84] 08/21/11 12:28 EST 08/21/11 12:28 EST 08/21/11 12:28 EST		0 0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 56 kt)	
A large tree broken due to thunderstorm wind:  FAUQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  S.  E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.84] 08/21/11 12:28 EST 08/21/11 12:28 EST 08/21/11 12:28 EST 08/21/11 12:28 EST		0 0 0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 56 kt) Source: Public	
A large tree broken due to thunderstorm winds  A UQUIER COUNTY 1.8 SE UPPERVILLE  Golf ball sized hail was reported near Uppervi  COUDOUN COUNTY 3.7 SW BLOOMFIELD  Quarter sized hail was reported near Uppervil  COUDOUN COUNTY 3.5 SW BLOOMFIELD  COUT large trees were down due to thundersto	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  s.  E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.84] 08/21/11 12:28 EST		0 0 0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 56 kt) Source: Public	
A large tree broken due to thunderstorm wind:  A large tree broken due tree broken due to thunderstorm wind:  A large tree broken due tree broken due tree broken due	[39.00, -77.80] 08/21/11 12:20 EST 08/21/11 12:20 EST  S.  E [38.98, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.85] 08/21/11 12:21 EST 08/21/11 12:21 EST 08/21/11 12:21 EST  UB [38.99, -77.84] 08/21/11 12:28 EST 08/21/11 12:28 EST 08/21/11 12:28 EST 08/21/11 12:28 EST		0 0 0 0 0	Source: Trained Spotter  Hail (1.75 in) Source: Public  Hail (1.00 in) Source: Public  Thunderstorm Wind (EG 56 kt) Source: Public	

FAUQUIER COUNTY --- 1.1 N ORLEAN [38.77, -77.95]

Page 35 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/21/11 12:40 EST		0	Hail (1.00 in)
	08/21/11 12:40 EST		0	Source: Public
Quarter sized hail was reported near Orlean	1.			
FAUQUIER COUNTY 1.1 N ORLEAN [38	- · · · · · · · · · · · · · · · · · · ·			
	08/21/11 12:40 EST		0	Thunderstorm Wind (EG 50 kt)
	08/21/11 12:40 EST		0	Source: Public
Some small branches were broken from tree	es.			
FAUQUIER COUNTY 0.2 WNW DUDIE [3	· · · · · ·			
	08/21/11 13:10 EST		5K	Thunderstorm Wind (EG 50 kt)
	08/21/11 13:10 EST		0	Source: State Official
Several trees were down across the county.				
ALBEMARLE COUNTY 2.4 SSW SIMEO	N [37.95, -78.46]			
	08/21/11 13:52 EST		3K	Thunderstorm Wind (EG 52 kt)
	08/21/11 13:52 EST		0	Source: State Official
Large trees were down near the intersection	n of Rolling road and Blue State Lai	ne.		
ALBEMARLE COUNTY 2.8 ESE SIMEON	N [37.96, -78.41]			
	08/21/11 13:53 EST		3K	Thunderstorm Wind (EG 52 kt)
	08/21/11 13:53 EST		0	Source: State Official
Trees and wires were down on Buck Island	Road.			
ALBEMARLE COUNTY 3.1 ESE SIMEON	N [37.9678.40]			
ALDERIANEL COUNTT 3.1 ESE SIMEUI	08/21/11 13:54 EST		1K	Thunderstorm Wind (EG 50 kt)
			1K 0	Thunderstorm Wind (EG 50 kt) Source: Public
A few large branches were torn off in thunde	08/21/11 13:54 EST 08/21/11 13:54 EST			·
	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds. • Ohio Valley on the 21st. Warm at		0 I of the boundary o	Source: Public
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  e Ohio Valley on the 21st. Warm and the cold front produced damage		0 I of the boundary o	Source: Public
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  e Ohio Valley on the 21st. Warm and the cold front produced damage		0 I of the boundary o	Source: Public
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Property of the cold front produced damage [38.40, -78.26]		0 I of the boundary o	Source: Public
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds. e Ohio Valley on the 21st. Warm at of the cold front produced damag [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST		0 I of the boundary of ge hail. 5K	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt)
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Ohio Valley on the 21st. Warm and the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.		0 I of the boundary of ge hail. 5K	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt)
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Ohio Valley on the 21st. Warm and the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.		0 I of the boundary of ge hail. 5K	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt)
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Ohio Valley on the 21st. Warm at of the cold front produced damag  [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.		0 I of the boundary of ge hail. 5K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt)  Source: Trained Spotter
A few large branches were torn off in thunded A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON  Sixteen trees were down or snapped along the MADISON COUNTY 1.6 ENE MADISON	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  2 Ohio Valley on the 21st. Warm at of the cold front produced damag  [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST		0 I of the boundary of ge hail. 5K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON Sixteen trees were down or snapped along the MADISON COUNTY 1.6 ENE MADISON A tree was down along the 1100 Block of Cl	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  • Ohio Valley on the 21st. Warm and of the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court. [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST		0 I of the boundary of ge hail. 5K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON Sixteen trees were down or snapped along MADISON COUNTY 1.6 ENE MADISON A tree was down along the 1100 Block of Cl	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  • Ohio Valley on the 21st. Warm and of the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court. [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST		0 I of the boundary of ge hail. 5K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt)
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead of MADISON COUNTY 1.5 NNE MADISON Sixteen trees were down or snapped along the MADISON COUNTY 1.6 ENE MADISON A tree was down along the 1100 Block of Cl	08/21/11 13:54 EST 08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Ohio Valley on the 21st. Warm at of the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST lore Road.		0 of the boundary of the bound	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: State Official
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead MADISON COUNTY 1.5 NNE MADISON  Sixteen trees were down or snapped along MADISON COUNTY 1.6 ENE MADISON  A tree was down along the 1100 Block of Cl	08/21/11 13:54 EST 08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  Property of the cold front produced damage of the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST lore Road.  OD [38.40, -78.22] 08/25/11 14:28 EST 08/25/11 14:28 EST		0 of the boundary of ge hail.  5K 0  1K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: State Official  Thunderstorm Wind (EG 56 kt)
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead MADISON COUNTY 1.5 NNE MADISON  Sixteen trees were down or snapped along MADISON COUNTY 1.6 ENE MADISON  A tree was down along the 1100 Block of Cl  MADISON COUNTY 1.5 SW BRIGHTWO  Multiple trees were down along Lonnie Burk	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  9 Ohio Valley on the 21st. Warm at of the cold front produced damag [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST lore Road.  9 OD [38.40, -78.22] 08/25/11 14:28 EST 08/25/11 14:28 EST the Road near US Route 29.		0 of the boundary of ge hail.  5K 0  1K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: State Official  Thunderstorm Wind (EG 56 kt)
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead MADISON COUNTY 1.5 NNE MADISON  Sixteen trees were down or snapped along MADISON COUNTY 1.6 ENE MADISON  A tree was down along the 1100 Block of Cl  MADISON COUNTY 1.5 SW BRIGHTWO  Multiple trees were down along Lonnie Burk	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  9 Ohio Valley on the 21st. Warm at of the cold front produced damag [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST lore Road.  9 OD [38.40, -78.22] 08/25/11 14:28 EST 08/25/11 14:28 EST the Road near US Route 29.		0 of the boundary of ge hail.  5K 0  1K 0	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: State Official  Thunderstorm Wind (EG 56 kt) Source: State Official
A few large branches were torn off in thunder A cold front approached the area from the atmosphere. Some thunderstorms ahead MADISON COUNTY 1.5 NNE MADISON  Sixteen trees were down or snapped along MADISON COUNTY 1.6 ENE MADISON  A tree was down along the 1100 Block of Cl	08/21/11 13:54 EST 08/21/11 13:54 EST erstorm winds.  9 Ohio Valley on the 21st. Warm and of the cold front produced damage [38.40, -78.26] 08/25/11 14:25 EST 08/25/11 14:25 EST the 140 Block of Hebron Court.  [38.39, -78.25] 08/25/11 14:26 EST 08/25/11 14:26 EST olore Road.  100 [38.40, -78.22] 08/25/11 14:28 EST 08/25/11 14:28 EST the Road near US Route 29.		0 of the boundary of the bound	Source: Public  caused an unstable  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  Thunderstorm Wind (EG 52 kt) Source: State Official  Thunderstorm Wind (EG 56 kt)

Page 36 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
STAFFORD COUNTY 1.0 SW LEELA			417	Thursdaystown Wind (FO FO IA)
	08/25/11 15:15 EST 08/25/11 15:15 EST		1K 0	Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
Multiple branches were broken off and la		ne Route 20 inters		Godice. Trailied opolici
SPOTSYLVANIA COUNTY 1.6 WNW	WILDERNESS CORNER (38 33 -77 7	বা		
OF OTOTEVANIA COUNTY 1.5 WWW	08/25/11 15:16 EST	<b>0</b> ]	5K	Thunderstorm Wind (EG 66 kt)
	08/25/11 15:16 EST		0	Source: Trained Spotter
Large trees were snapped near the inter-	section of route 3 and Route 20.			
CULPEPER COUNTY 1.1 SSW RICH				
	08/25/11 15:19 EST		0	Hail (1.00 in)
	08/25/11 15:19 EST		0	Source: Public
Quarter sized hail was reported.				
CULPEPER COUNTY 1.1 SSW RICH/	• •			
	08/25/11 15:19 EST		30K	Thunderstorm Wind (EG 66 kt)
	08/25/11 15:19 EST		0	Source: Public
Significant tree damage was reported ne	ear Richardsville. An entire row of trees	were down and a	tree fell onto a hou	use.
FREDERICKSBURG (C) COUNTY 2.0	<del>-</del>	1]		
	08/25/11 15:40 EST		0	Thunderstorm Wind (EG 52 kt)
Debris was lofted by thunderstorm winds	08/25/11 15:40 EST		0	Source: Trained Spotter
SPOTSYLVANIA COUNTY 1.1 E FIVE	- MII E 129 29 77 521			
01 010 1EVANIA 000N11 1.1 E 11VE	08/25/11 15:40 EST		0	Hail (1.00 in)
	08/25/11 15:40 EST		0	Source: Trained Spotter
Quarter sized hail was reported near Fre	edericksburg.			
SPOTSYLVANIA COUNTY 1.1 E FIVE	E MILE [38.28, -77.53]			
	08/25/11 15:40 EST		1K	Thunderstorm Wind (EG 52 kt)
	08/25/11 15:40 EST		0	Source: Trained Spotter
Several tree branches about two to three	e inches in diameter were snapped off.			
FREDERICKSBURG (C) COUNTY 0.2	<del>-</del>	47]		
FREDERICKSBURG (C) COUNTY 0.2	08/25/11 15:43 EST	47]	1K	Thunderstorm Wind (EG 56 kt)
FREDERICKSBURG (C) COUNTY 0.2	<del>-</del>	47]	1K 0	Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
	08/25/11 15:43 EST 08/25/11 15:43 EST	47]		
Tree limbs were broken due to thunderst	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds.	47]		
Tree limbs were broken due to thunderst	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds. /AN [38.31, -77.41] 08/25/11 15:50 EST	47]	0 1K	Source: Trained Spotter  Thunderstorm Wind (EG 56 kt)
Tree limbs were broken due to thunderst	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds. /AN [38.31, -77.41]	47]	0	Source: Trained Spotter
Tree limbs were broken due to thunderst STAFFORD COUNTY 0.9 SW SULLIV	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds. /AN [38.31, -77.41] 08/25/11 15:50 EST 08/25/11 15:50 EST	47]	0 1K	Source: Trained Spotter  Thunderstorm Wind (EG 56 kt)
Tree limbs were broken due to thunderst  STAFFORD COUNTY 0.9 SW SULLIV  A tree that was about 30 inches in diame	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds. /AN [38.31, -77.41] 08/25/11 15:50 EST 08/25/11 15:50 EST eter was down across power lines.	47]	1K 0	Source: Trained Spotter  Thunderstorm Wind (EG 56 kt) Source: Amateur Radio
Tree limbs were broken due to thunderst  STAFFORD COUNTY 0.9 SW SULLIV  A tree that was about 30 inches in diame	08/25/11 15:43 EST 08/25/11 15:43 EST  torm winds.  /AN [38.31, -77.41] 08/25/11 15:50 EST 08/25/11 15:50 EST eter was down across power lines.  OUTH [38.31, -77.45] 08/25/11 15:52 EST	47]	1K 0	Source: Trained Spotter  Thunderstorm Wind (EG 56 kt) Source: Amateur Radio  Thunderstorm Wind (EG 56 kt)
FREDERICKSBURG (C) COUNTY 0.2  Tree limbs were broken due to thunderst  STAFFORD COUNTY 0.9 SW SULLIV  A tree that was about 30 inches in diame	08/25/11 15:43 EST 08/25/11 15:43 EST torm winds. /AN [38.31, -77.41] 08/25/11 15:50 EST 08/25/11 15:50 EST eter was down across power lines.	47]	1K 0	Source: Trained Spotter  Thunderstorm Wind (EG 56 kt) Source: Amateur Radio

Page 37 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/25/11 16:10 EST		2K	Thunderstorm Wind (EG 56 kt)
	08/25/11 16:10 EST		0	Source: State Official
ew trees and power lines were down	near the intersection of Caledon Road	l and Indiantown R	oad.	
ING GEORGE COUNTY 1.2 S NINE				
	08/25/11 16:20 EST 08/25/11 16:20 EST		2K 0	Thunderstorm Wind (EG 56 kt) Source: State Official
			· ·	Source. State Similar
rees were down along Round Hill Road	d.			
A cold front passed moved into the re- levelop. Thunderstorms that develop	= :			
VA-Z029) PAGE, (VA-Z036) NELSON, DRANGE, (VA-Z052) PRINCE WILLIAN				
KING GEORGE	08/27/11 11:42 EST		0.48M	Tropical Storm
	08/28/11 09:00 EST		0	
rene passed by just to the east of Oce 58 millibars and maximum sustained onditions across portions of norther tainfall totals over 2 inches were repo firginia mainly east of the Interstate 9	ean City, Maryland during the early m I winds were 80 mph, making Irene a n and central Virginia. The worst con orted in Stafford County. Widespread	category one hurr ditions were near power outages w	icane. Irene produ east of the Intersta ere reported acros	ced tropical storm ate 95 Corridor. ss northern and central
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo /irginia mainly east of the Interstate 9 housand dollars.	ean City, Maryland during the early m I winds were 80 mph, making Irene a n and central Virginia. The worst con orted in Stafford County. Widespread 15 Corridor. Numerous trees were also	category one hurr ditions were near power outages wo o down and damag	icane. Irene produ east of the Intersta ere reported acros ge was estimated t	ced tropical storm ate 95 Corridor. s northern and central to be over one hundred
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo /irginia mainly east of the Interstate 9 housand dollars.	ean City, Maryland during the early m I winds were 80 mph, making Irene a n and central Virginia. The worst con orted in Stafford County. Widespread 15 Corridor. Numerous trees were also	category one hurr ditions were near power outages wo o down and damag	icane. Irene produ east of the Intersta ere reported acros ge was estimated t	ced tropical storm ate 95 Corridor. s northern and central to be over one hundred
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo Virginia mainly east of the Interstate 9 thousand dollars.	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY	category one hurr ditions were near power outages wo o down and damag	icane. Irene produ east of the Intersta ere reported acros ge was estimated t 7.44], 0.9 WNW FE	ced tropical storm ate 95 Corridor. s northern and central to be over one hundred ERRY FARMS [38.33, -77.45], 1.1 NE
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo Virginia mainly east of the Interstate 9 chousand dollars. STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]	ean City, Maryland during the early m I winds were 80 mph, making Irene a in and central Virginia. The worst con orted in Stafford County. Widespread 15 Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY 08/27/11 20:23 EST 08/27/11 22:00 EST	category one hurr ditions were near power outages we o down and damage FARMS [38.33, -7	icane. Irene produ east of the Intersta ere reported acros ge was estimated to 7.44], 0.9 WNW FE	ced tropical storm ate 95 Corridor.  Is northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager
Irene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of northern Rainfall totals over 2 inches were repo Virginia mainly east of the Interstate 9 thousand dollars.  STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was closed between Forbe	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY 08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas	category one hurriditions were near power outages woo down and damage FARMS [38.33, -7] which flooding from Cla	icane. Irene produ east of the Intersta ere reported acros ge was estimated to 7.44], 0.9 WNW FE 0 0	ced tropical storm ate 95 Corridor.  s northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager arby rain gauge totaled 2.40 inches.
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo firginia mainly east of the Interstate 9 housand dollars. BTAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45] Harrell Road was closed between Forbe	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY 08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas	category one hurriditions were near power outages woo down and damage FARMS [38.33, -7] which flooding from Cla	icane. Irene produ east of the Intersta ere reported acros ge was estimated to 7.44], 0.9 WNW FE 0 0	ced tropical storm ate 95 Corridor.  s northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager arby rain gauge totaled 2.40 inches.
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of northern Rainfall totals over 2 inches were repo /irginia mainly east of the Interstate 9 thousand dollars. STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY 08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas	category one hurriditions were near power outages woo down and damage FARMS [38.33, -7] which flooding from Cla	icane. Irene produce ast of the Interstate of th	ced tropical storm ate 95 Corridor.  ss northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager arby rain gauge totaled 2.40 inches.  ERRY FARMS [38.33, -77.45], 1.1 ENE
rene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of northern Rainfall totals over 2 inches were reporting and mainly east of the Interstate 9 thousand dollars.  STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was closed between Forber STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY 08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas MOUTH [38.33, -77.45], 1.1 NW FERRY 08/27/11 22:00 EST 08/28/11 03:00 EST	category one hurriditions were near power outages woo down and damage FARMS [38.33, -7] which flooding from Cla	icane. Irene produ east of the Intersta ere reported acros ge was estimated to 7.44], 0.9 WNW FE 0 0 uiborne Run. A nea 7.45], 1.0 WNW FE	ced tropical storm ate 95 Corridor.  as northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager  arby rain gauge totaled 2.40 inches.  ERRY FARMS [38.33, -77.45], 1.1 ENE  Flood (due to Heavy Rain)
Hurricane Irene tracked up the Mid-Atl Irene passed by just to the east of Oce 958 millibars and maximum sustained conditions across portions of norther Rainfall totals over 2 inches were repo Virginia mainly east of the Interstate 9 thousand dollars.  STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was closed between Forbe STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was flooded and closed du Hurricane Irene tracked up the Mid-Atl and her rainbands fell over saturated 3 waters rose. Storm total rainfall reach	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY  08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas MOUTH [38.33, -77.45], 1.1 NW FERRY  08/27/11 22:00 EST 08/28/11 03:00 EST use to earlier rainfall on Claiborne Run.  lantic Coast during the afternoon and Stafford County. Flash flooding resu	category one hurriditions were near power outages were down and damage of FARMS [38.33, -7] the flooding from Classian FARMS [38.33, -7] the flooding from C	icane. Irene produce ast of the Interstate across ge was estimated to 7.44], 0.9 WNW FE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ced tropical storm ate 95 Corridor.  ss northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager  arby rain gauge totaled 2.40 inches.  ERRY FARMS [38.33, -77.45], 1.1 ENE  Flood (due to Heavy Rain) Source: Emergency Manager
Irene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of northern Rainfall totals over 2 inches were reporting and maximum sustained with the literature of the Interstate of the I	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY  08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas MOUTH [38.33, -77.45], 1.1 NW FERRY  08/27/11 22:00 EST 08/28/11 03:00 EST use to earlier rainfall on Claiborne Run. Ilantic Coast during the afternoon and Stafford County. Flash flooding resulted 2.79 near Stafford.	category one hurriditions were near power outages were down and damage of FARMS [38.33, -7] of flooding from Classian FARMS [38.33, -7] of flooding from Classian flooding floo	icane. Irene produce ast of the Interstate of th	ced tropical storm ate 95 Corridor.  ss northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager  arby rain gauge totaled 2.40 inches.  ERRY FARMS [38.33, -77.45], 1.1 ENE  Flood (due to Heavy Rain) Source: Emergency Manager  rains associated with Irene etinued into the 28th as
Irene passed by just to the east of Occ 958 millibars and maximum sustained conditions across portions of northern Rainfall totals over 2 inches were reporting a mainly east of the Interstate 9 thousand dollars.  STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was closed between Forber STAFFORD COUNTY 1.3 ENE FALM FALMOUTH [38.33, -77.45]  Harrell Road was flooded and closed duthurricane Irene tracked up the Mid-Attand her rainbands fell over saturated swaters rose. Storm total rainfall reach	ean City, Maryland during the early m I winds were 80 mph, making Irene a In and central Virginia. The worst con orted in Stafford County. Widespread IS Corridor. Numerous trees were also MOUTH [38.33, -77.45], 0.9 NW FERRY  08/27/11 20:23 EST 08/27/11 22:00 EST es Street and Deacon Road due to flas MOUTH [38.33, -77.45], 1.1 NW FERRY  08/27/11 22:00 EST 08/28/11 03:00 EST use to earlier rainfall on Claiborne Run. Ilantic Coast during the afternoon and Stafford County. Flash flooding resulted 2.79 near Stafford.	category one hurriditions were near power outages were down and damage of FARMS [38.33, -7] of flooding from Classian FARMS [38.33, -7] of flooding from Classian flooding floo	icane. Irene produce ast of the Interstate of th	ced tropical storm ate 95 Corridor.  ss northern and central to be over one hundred  ERRY FARMS [38.33, -77.45], 1.1 NE  Flash Flood (due to Heavy Rain) Source: Emergency Manager  arby rain gauge totaled 2.40 inches.  ERRY FARMS [38.33, -77.45], 1.1 ENE  Flood (due to Heavy Rain) Source: Emergency Manager  rains associated with Irene etinued into the 28th as

#### WEST VIRGINIA, East

HAMPSHIRE COUNTY --- 1.3 WSW HANGING ROCK [39.27, -78.57]

08/01/11 14:00 EST 1K Thunderstorm Wind (EG 50 kt)

08/01/11 14:00 EST 0 Source: Public

Multiple tree branches were blown down along US 50.

Page 38 of 40 Printed on: 11/16/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HAMPSHIRE COUNTY 1.3 WSW HANGI	NG ROCK [39.27, -78.57]			
	08/01/11 14:02 EST		0	Hail (1.25 in)
	08/01/11 14:02 EST		0	Source: Public
Hail up to half dollars in size was reported ju	ust off of Route 50.			
BERKELEY COUNTY 0.9 NE (MRB)SHE	:PHERD FLD MR [39.41, -77.97]			
	08/01/11 16:58 EST		0	Thunderstorm Wind (MG 59 kt)
	08/01/11 16:58 EST		0	Source: ASOS
A wind gust of 68 mph was measured at the	Martinsburg Airport.			
BERKELEY COUNTY 2.1 NNE TARICO I	HGTS [39.36, -77.99]			
	08/01/11 17:02 EST		0	Thunderstorm Wind (EG 52 kt)
	08/01/11 17:02 EST		0	Source: Trained Spotter
Nind gusts up to 60 mph were estimated ne	ear Vanville.			
BERKELEY COUNTY 1.6 NE TOMAHAW	VK [39.55, -78.03]			
	08/01/11 17:10 EST		10K	Thunderstorm Wind (EG 56 kt)
	08/01/11 17:10 EST		0	Source: Trained Spotter
tree fell on top of a car on Back Creek Va	illev Road.			
loft to produce moderate amounts of inst	tability. A pressure trough at the s	surface caused sh	owers and thunde	
aloft to produce moderate amounts of inst Moderate instability caused some thunder	tability. A pressure trough at the s rstorms to produce damaging wind	surface caused sh	owers and thunde	Thunderstorm Wind (EG 52 kt)
oloft to produce moderate amounts of inst Moderate instability caused some thunder	tability. A pressure trough at the s rstorms to produce damaging wind LLE [39.46, -78.04]	surface caused sh	owers and thunde hail.	erstorms to develop.
aloft to produce moderate amounts of inst Moderate instability caused some thunder BERKELEY COUNTY 1.4 WSW NOLLVII	stability. A pressure trough at the s restorms to produce damaging wind LLE [39.46, -78.04] 08/13/11 13:45 EST 08/13/11 13:45 EST	surface caused sh	nowers and thunder hail.	Thunderstorm Wind (EG 52 kt)
A stationary boundary remained over the	tability. A pressure trough at the s restorms to produce damaging wind LLE [39.46, -78.04] 08/13/11 13:45 EST 08/13/11 13:45 EST ue to thunderstorm winds.	surface caused sh d gusts and large	owers and thunde hail. 5K 0	Thunderstorm Wind (EG 52 kt) Source: Public
aloft to produce moderate amounts of insi Moderate instability caused some thunder BERKELEY COUNTY 1.4 WSW NOLLVII Several trees and large limbs were down du A stationary boundary remained over the solated thunderstorm to produce damagi	tability. A pressure trough at the serstorms to produce damaging wind LLE [39.46, -78.04]  08/13/11 13:45 EST  08/13/11 13:45 EST  ue to thunderstorm winds.  region during the 13th. Moderate in ing wind gusts.	surface caused sh d gusts and large	owers and thunde hail.  5K 0  of the stationary b	Thunderstorm Wind (EG 52 kt) Source: Public
aloft to produce moderate amounts of inside aloft to produce moderate amounts of inside aloft to produce moderate amounts of inside aloft to produce aloft trees and large limbs were down during the solated thunderstorm to produce damaging aloft the solated thunderstorm to produce damaging aloft the solated thunderstorm to produce damaging aloft trees are solated thunderstorm to produce aloft trees are solated thunderstorm to produce damaging aloft trees are solated thunderstorm to produce aloft trees are solated trees are sol	tability. A pressure trough at the serstorms to produce damaging wind LLE [39.46, -78.04]  08/13/11 13:45 EST  08/13/11 13:45 EST  ue to thunderstorm winds.  region during the 13th. Moderate in ing wind gusts.	surface caused sh d gusts and large	owers and thunde hail.  5K 0  of the stationary b	Thunderstorm Wind (EG 52 kt) Source: Public
aloft to produce moderate amounts of inside aloft to produce moderate amounts of inside aloft to produce moderate amounts of inside aloft to produce aloft trees and large limbs were down during the solated thunderstorm to produce damaging aloft the solated thunderstorm to produce damaging aloft the solated thunderstorm to produce damaging aloft trees are solated thunderstorm to produce aloft trees are solated thunderstorm to produce damaging aloft trees are solated thunderstorm to produce aloft trees are solated trees are sol	tability. A pressure trough at the serstorms to produce damaging wind  LLE [39.46, -78.04]  08/13/11 13:45 EST  08/13/11 13:45 EST  ue to thunderstorm winds.  region during the 13th. Moderate iting wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR*	surface caused sh d gusts and large	owers and thunder hail.  5K 0  of the stationary b	Thunderstorm Wind (EG 52 kt) Source: Public  roundary caused an  BERKELEY [39.48, -77.94], 1.2 W
between these two systems caused colde aloft to produce moderate amounts of inst Moderate instability caused some thunder BERKELEY COUNTY 1.4 WSW NOLLVIII Several trees and large limbs were down duted A stationary boundary remained over the disolated thunderstorm to produce damagical BERKELEY COUNTY 0.7 N MARTINSBUBLAIRTON [39.45, -77.94]	tability. A pressure trough at the serstorms to produce damaging wind table [39.46, -78.04]  08/13/11 13:45 EST  08/13/11 13:45 EST  ue to thunderstorm winds.  region during the 13th. Moderate iting wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR*  08/13/11 14:13 EST  08/13/11 15:00 EST	surface caused shid gusts and large	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0	Thunderstorm Wind (EG 52 kt) Source: Public  Doundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public
aloft to produce moderate amounts of instance of the service of th	tability. A pressure trough at the s restorms to produce damaging wind [ILLE [39.46, -78.04]]  08/13/11 13:45 EST  08/13/11 13:45 EST  ue to thunderstorm winds.  region during the 13th. Moderate it ing wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR*  08/13/11 14:13 EST  08/13/11 15:00 EST  water of depth greater than 6 inchest, tropical airmass into the Mid-Aff	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 0 hem. A nearby spo	Thunderstorm Wind (EG 52 kt) Source: Public  Doundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  Ining thunderstorms in an
aloft to produce moderate amounts of instance of the Moderate instability caused some thunder of the several trees and large limbs were down dute. A stationary boundary remained over the solated thunderstorm to produce damaging of the solated thunderstorm to produce damaging of the solated thunderstorm of the solated	tability. A pressure trough at the serstorms to produce damaging wind 208/13/11 13:45 EST 208/13/11 13:45 EST 208/13/11 13:45 EST 208/13/11 14:13 EST 208/13/11 14:13 EST 208/13/11 15:00 EST 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 hem. A nearby spo	Thunderstorm Wind (EG 52 kt) Source: Public  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  Ining thunderstorms in an re observed in less than an
Iloft to produce moderate amounts of instability caused some thunder and a service and large limbs were down due a stationary boundary remained over the solated thunderstorm to produce damaging and the service and service	tability. A pressure trough at the serstorms to produce damaging wind 208/13/11 13:45 EST and to thunderstorm winds.  Tregion during the 13th. Moderate it ing wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR 08/13/11 14:13 EST 08/13/11 15:00 EST are water of depth greater than 6 incheses, tropical airmass into the Mid-Afevening in Berkeley County. Rainf	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 0 hem. A nearby spo	Thunderstorm Wind (EG 52 kt) Source: Public  Doundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  Ining thunderstorms in an
A stationary boundary remained over the solated thunderstorm to produce damaging BERKELEY COUNTY 0.7 N MARTINSBUBLAIRTON [39.45, -77.94]  Numerous roadways were reported to have Deep layer southerly flow advected a moisurban area create an isolated flash flood enour in Martinsburg.	tability. A pressure trough at the serstorms to produce damaging wind 208/13/11 13:45 EST 208/13/11 13:45 EST 208/13/11 13:45 EST 208/13/11 14:13 EST 208/13/11 14:13 EST 208/13/11 15:00 EST 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11 208/13/11	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 hem. A nearby spo	Thunderstorm Wind (EG 52 kt) Source: Public  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  Ining thunderstorms in an re observed in less than an
aloft to produce moderate amounts of insi Moderate instability caused some thunder BERKELEY COUNTY 1.4 WSW NOLLVII Several trees and large limbs were down du A stationary boundary remained over the solated thunderstorm to produce damagi BERKELEY COUNTY 0.7 N MARTINSBU BLAIRTON [39.45, -77.94]	tability. A pressure trough at the s restorms to produce damaging wind 08/13/11 13:45 EST 08/13/11 13:45 EST 08/13/11 13:45 EST use to thunderstorm winds.  region during the 13th. Moderate it ing wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR' 08/13/11 14:13 EST 08/13/11 15:00 EST water of depth greater than 6 inchest, tropical airmass into the Mid-Attevening in Berkeley County. Rainf 08/18/11 19:31 EST 08/18/11 19:31 EST 08/18/11 19:31 EST	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 hem. A nearby spotential rates from train to 1.5 inches were	Thunderstorm Wind (EG 52 kt) Source: Public  roundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  ning thunderstorms in an re observed in less than an
A stationary boundary remained over the solated thunderstorm to produce damaging BERKELEY COUNTY 0.7 N MARTINSBUBLAIRTON [39.45, -77.94]  Numerous roadways were reported to have Deep layer southerly flow advected a moisurban area create an isolated flash flood enour in Martinsburg.  BERKELEY COUNTY 1.5 NE MARLOWER	tability. A pressure trough at the serstorms to produce damaging wind the serstorm winds.  ILLE [39.46, -78.04]  08/13/11 13:45 EST  use to thunderstorm winds.  region during the 13th. Moderate it ing wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR*  08/13/11 14:13 EST  08/13/11 15:00 EST  water of depth greater than 6 inchesest, tropical airmass into the Mid-Attevening in Berkeley County. Rainforms in Berkeley County.	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 hem. A nearby spotential rates from train to 1.5 inches were	Thunderstorm Wind (EG 52 kt) Source: Public  roundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  ning thunderstorms in an re observed in less than an
A stationary boundary remained over the solated thunderstorm to produce damaging BERKELEY COUNTY 0.7 N MARTINSBUBLAIRTON [39.45, -77.94]  Numerous roadways were reported to have Deep layer southerly flow advected a moisurban area create an isolated flash flood enour in Martinsburg.  BERKELEY COUNTY 1.5 NE MARLOWER DEEP LAYER D	tability. A pressure trough at the serstorms to produce damaging wind the serstorm winds.  ILLE [39.46, -78.04]  08/13/11 13:45 EST  use to thunderstorm winds.  region during the 13th. Moderate it ing wind gusts.  URG [39.46, -77.97], 1.9 NNW MAR*  08/13/11 14:13 EST  08/13/11 15:00 EST  water of depth greater than 6 inchesest, tropical airmass into the Mid-Attevening in Berkeley County. Rainforms in Berkeley County.	surface caused she digusts and large instability ahead of TINSBURG [39.48 es flowing across the standard control of the standa	owers and thunder hail.  5K 0  of the stationary b  , -77.98], 1.3 SSW 0 0 hem. A nearby spotential rates from train to 1.5 inches were	Thunderstorm Wind (EG 52 kt) Source: Public  roundary caused an  BERKELEY [39.48, -77.94], 1.2 W  Flash Flood (due to Heavy Rain) Source: Public  otter measured 1.32 inches.  ning thunderstorms in an re observed in less than an

A southerly flow around high pressure off the east coast produced hot and humid conditions. The hot and humid conditions combined with colder air aloft associated with an upper-level trough to produce moderate amounts of instability. A couple thunderstorms that

Page 39 of 40 Printed on: 11/16/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
developed produced damaging larg	e hail.			
MORGAN COUNTY 0.4 WSW NEV	V HOPE [39.60, -78.18]			
	08/19/11 15:54 EST		1K	Thunderstorm Wind (EG 56 kt)
	08/19/11 15:54 EST		0	Source: State Official
A large tree was down on New Hope	road.			
MORGAN COUNTY 1.3 S NEW HO	DPE [39.58, -78.17]			
	08/19/11 15:58 EST		0	Thunderstorm Wind (EG 56 kt)
	08/19/11 15:58 EST		0	Source: Public
Storm drains were ripped from a house	se due to thunderstorm winds.			
An upper-level trough provided cold	d air aloft while warm and moist air rema	ained at the surfac	e. Moderate amou	unts of instability
developed during the afternoon and	evening hours. An isolated thundersto	rm was able to pro	oduce damaging v	vind gusts.
(WV-Z053) JEFFERSON				
	08/30/11 01:30 EST		0	Dense Fog
	08/30/11 08:15 EST		0	

High pressure overhead caused light winds and mainly clear skies. Radiational cooling led to the development of dense fog across portions of the eastern Panhandle in West Virginia.

Page 40 of 40 Printed on: 11/16/2011