Deaths &

Property &

Event Type and Details

Date/Time

Location

A wind gust of 52 knots was reported at Patuxent River.

Injuries Crop Dmg ATLANTIC NORTH PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.1 NW MARYLAND SCIENCE CENTER [39.28, -76.61] 07/02/12 02:10 EST Marine Thunderstorm Wind (EG 34 kt) 07/02/12 02:10 EST 0 Source: Mesonet A wind gust in excess of 30 knots was reported at the Maryland Science Center. CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 0.4 NW SUSQUEHANNA [39.54, -76.07] 07/02/12 02:20 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/02/12 02:20 EST 0 Source: Buoy A wind gust in excess of 30 knots was reported at the Susquehanna Buoy. TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.1 NNE MONROE CREEK [38.23, -76.95] 07/02/12 02:25 FST Marine Thunderstorm Wind (MG 38 kt) 07/02/12 02:35 EST O Source: Mesonet Wind gusts up to 41 knots were reported at Monroe Creek. TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99] 07/02/12 02:31 EST Marine Thunderstorm Wind (MG 38 kt) 07/02/12 02:38 EST O Source: Mesonet Wind gusts up to 38 knots were reported at the Potomac Lighthouse. TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 N CUCKOLD CREEK [38.31, -76.93] 07/02/12 02:37 EST Marine Thunderstorm Wind (MG 34 kt) 07/02/12 02:37 FST 0 Source: Mesonet A wind gust of 34 knots was reported at Cuckold Creek. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/02/12 02:42 EST 0 Marine Thunderstorm Wind (MG 36 kt) 07/02/12 02:48 EST 0 Source: Mesonet Wind gusts up to 36 knots were reported at Tolchester Beach. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISETTA [37.99, -76.47] 07/02/12 02:54 EST Marine Thunderstorm Wind (MG 39 kt) 0 07/02/12 03:12 EST 0 Source: Mesonet Wind gusts up to 39 knots were reported at Lewisetta. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISETTA [37.99, -76.47] 07/02/12 02:54 EST 0 Marine Thunderstorm Wind (MG 39 kt) 07/02/12 03:18 EST 0 Source: Mesonet Wind gusts up to 39 knots were reported at Lewisetta. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32] 07/02/12 03:10 EST Marine Thunderstorm Wind (MG 39 kt) 07/02/12 03:40 EST 0 Source: Buoy Wind gusts up to 39 knots were reported at Point Lookout. CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41] 07/02/12 03:13 FST Marine Thunderstorm Wind (MG 52 kt) n 07/02/12 03:13 EST 0 Source: ASOS

Page 1 of 33 Printed on: 02/06/2013

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY DRUM PT TO SN	MITH PT VA COUNTY 0.2 SSE LOWE	R HOOPERS ISLA	ND [38.26, -76.18]	
	07/02/12 03:27 EST		0	Marine Thunderstorm Wind (MG 50 kt)
	07/02/12 03:50 EST		0	Source: Mesonet
Wind gusts up to 50 knots were report	ed at Lower Hooper Island.			
TANGIER SOUND AND THE INLAND	WATERS SURROUNDING BLOODSWC	ORTH ISLAND COL		- / -
	07/02/12 03:34 EST		0	Marine Thunderstorm Wind (MG 52 kt)
	07/02/12 04:57 EST		0	Source: Buoy
Wind gusts up to 52 knots were report	ed at Bishops Head.			
TIDAL POTOMAC COBB IS MD TO S	MITH PT VA COUNTY PINEY POINT	[38.13, -76.53]		
	07/02/12 03:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/02/12 03:42 EST		0	Source: Mesonet
Wind gusts in excess of 30 knots were	e reported at Piney Point.			
TANGIER SOUND AND THE INLAND	WATERS SURROUNDING BLOODSWC	ORTH ISLAND COL	JNTY CRISFIEL	D [37.97, -75.88]
	07/02/12 03:48 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	07/02/12 04:34 EST		0	Source: Mesonet
Wind gusts up to 42 knots were report	red at Crisfield.			
TANGIER SOUND AND THE INLAND	WATERS SURROUNDING BLOODSWC	ORTH ISLAND COL		
	07/02/12 03:56 EST 07/02/12 04:42 EST		0	Marine Thunderstorm Wind (MG 43 kt) Source: Mesonet
100 d	and at Dansey Datet			
	waters surrounding bloodswo 07/02/12 04:06 EST	ORTH ISLAND COL	JNTY 0.1 NE BIS	SHOPS HEAD [38.22, -76.04] Marine Thunderstorm Wind (EG 34 kt)
	WATERS SURROUNDING BLOODSWC	ORTH ISLAND COL		
TANGIER SOUND AND THE INLAND	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST	ORTH ISLAND COL	0	Marine Thunderstorm Wind (EG 34 kt)
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of ts were able to produce gusty winds.	he 2nd. The bound	0 0 dary triggered sho	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head.	he 2nd. The bound	0 0 dary triggered sho	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of ts were able to produce gusty winds.	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04]
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of ts were able to produce gusty winds. NDIAN HD MD COUNTY 1.1 SE LYLE 07/03/12 20:30 EST	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt)
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO II A wind gust in excess of 30 knots was An upper-level disturbance triggered	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of ts were able to produce gusty winds. NDIAN HD MD COUNTY 1.1 SE LYLE 07/03/12 20:30 EST 07/03/12 20:30 EST	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO If A wind gust in excess of 30 knots was An upper-level disturbance triggered winds.	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. Pers during the early morning hours of the second	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO If A wind gust in excess of 30 knots was An upper-level disturbance triggered winds.	WATERS SURROUNDING BLOODSWO 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. Pers during the early morning hours of the swere able to produce gusty winds. NDIAN HD MD COUNTY 1.1 SE LYLE 07/03/12 20:30 EST 07/03/12 20:30 EST 07/03/12 20:30 EST 07/03/12 20:30 EST 07/03/12 20:35 EST	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI. 0 0 isolated thunderst	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty Marine Thunderstorm Wind (MG 59 kt)
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO If A wind gust in excess of 30 knots was An upper-level disturbance triggered winds.	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. Pers during the early morning hours of the second	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO If A wind gust in excess of 30 knots was An upper-level disturbance triggered winds. TIDAL POTOMAC INDIAN HD TO CO	WATERS SURROUNDING BLOODSWO 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of the second series with the second second series with the second	he 2nd. The bound	0 0 dary triggered sho DEMY ALEXANDRI. 0 0 isolated thunderst	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty Marine Thunderstorm Wind (MG 59 kt)
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO II A wind gust in excess of 30 knots was An upper-level disturbance triggered winds. TIDAL POTOMAC INDIAN HD TO COl Wind gusts up to 59 knots were report	WATERS SURROUNDING BLOODSWO 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. ers during the early morning hours of the second series with the second second series with the second	he 2nd. The bound S-CROUCH ACAE ring the third. An i	0 0 dary triggered sho DEMY ALEXANDRI. 0 0 isolated thunderst	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty Marine Thunderstorm Wind (MG 59 kt)
A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO II A wind gust in excess of 30 knots was An upper-level disturbance triggered winds. TIDAL POTOMAC INDIAN HD TO CO	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. Pers during the early morning hours of the swere able to produce gusty winds. NDIAN HD MD COUNTY 1.1 SE LYLE 07/03/12 20:30 EST 07/03/12 20:30 EST Personal at the Upper Potomac Buoy. If a few showers and thunderstorms during the showers and the showers and thunderstorms during the showers and the showers and the showers are showers and the showers and the showers are showers and the showers and the showers and the showers and the showers are showers and the showers and the showers and the showers are showers and the showers and the showers are showers as a shower and the showers are showers as a shower and the showers are showers as a shower as a shower as a s	he 2nd. The bound S-CROUCH ACAE ring the third. An i	0 0 dary triggered sho DEMY ALEXANDRI. 0 0 isolated thunderst	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty Marine Thunderstorm Wind (MG 59 kt)
TANGIER SOUND AND THE INLAND A wind gust in excess of 30 knots was A cold front passed through the wate thunderstorms. Some thunderstorms TIDAL POTOMAC KEY BRIDGE TO II A wind gust in excess of 30 knots was An upper-level disturbance triggered winds. TIDAL POTOMAC INDIAN HD TO COl Wind gusts up to 59 knots were report	WATERS SURROUNDING BLOODSWC 07/02/12 04:06 EST 07/02/12 04:06 EST reported at Bishops Head. Pers during the early morning hours of the series were able to produce gusty winds. NDIAN HD MD COUNTY 1.1 SE LYLE 07/03/12 20:30 EST 07/03/12 20:30 EST 07/03/12 20:30 EST 07/05/12 01:53 EST 07/05/12 01:53 EST 07/05/12 02:02 EST Red at Quantico. BB IS MD COUNTY 0.2 W POTOMAC	he 2nd. The bound S-CROUCH ACAE ring the third. An i	0 0 dary triggered sho DEMY ALEXANDRI. 0 0 isolated thunderst	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet wers and A [38.79, -77.04] Marine Thunderstorm Wind (EG 34 kt) Source: Buoy orm produced gusty Marine Thunderstorm Wind (MG 59 kt) Source: ASOS

An upper-level disturbance combined with moderate instability to trigger showers and thunderstorms during the 5th. A few

thunderstorms produced gusty winds.

Page 2 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TIDAL POTOMAC INDIAN HD TO COBB IS MI		O [38.50, -77.31]		
	07/08/12 16:15 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	07/08/12 16:15 EST		0	Source: ASOS
A wind gust of 42 knots was reported at Quant	ico.			
TIDAL POTOMAC INDIAN HD TO COBB IS MI		C LIGHT [38.34, -76	-	
	07/08/12 16:53 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/08/12 16:53 EST		0	Source: Mesonet
A wind gust of 36 knots was reported at the Po	tomac Lighthouse.			
TIDAL POTOMAC INDIAN HD TO COBB IS MI		DE CREEK [38.23,	-	
	07/08/12 17:05 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	07/08/12 17:05 EST		0	Source: Mesonet
A wind gust of 34 knots was reported at Monro	e Creek.			
CHESAPEAKE BAY N BEACH TO DRUM PT I	MD COUNTY 5.1 SSE CHES	APEAKE BEACH [38.62, -76.51]	
	07/08/12 17:13 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	07/08/12 17:13 EST		0	Source: Unknown
A wind gust of 50 knots was estimated based of	on thunderstorm wind damage r	nearby.		
CHESAPEAKE BAY N BEACH TO DRUM PT I	MD COUNTY 6.3 NNW MID E	BAY BUOY [38.56,	-76.41]	
	07/08/12 17:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
A wind gust in excess of 30 knots was reported	l at Gooses Reef.			
CHESAPEAKE BAY N BEACH TO DRUM PT I	MD COUNTY COVE POINT [38.43, -76.39]		
	07/08/12 17:54 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	07/08/12 17:54 EST		0	Source: Buoy
A wind gust of 42 knots was reported at Cove I	Point.			
TANGIER SOUND AND THE INLAND WATER	S SURROUNDING BLOODSWO	ORTH ISLAND CO	UNTY 0.5 E BIS	HOPS HEAD [38.22, -76.03]
	07/08/12 18:11 EST		0	Marine Thunderstorm Wind (MG 54 kt)
	07/08/12 18:11 EST		0	Source: Mesonet
A wind gust of 54 knots was reported at Bishop	os Head.			
TANGIER SOUND AND THE INLAND WATER	S SURROUNDING BLOODSWO	ORTH ISLAND CO	UNTY 0.3 SSE (CRISFIELD [37.97, -75.88]
	07/08/12 18:32 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/08/12 18:32 EST		0	Source: Mesonet
A wind gust of 36 knots was reported at Crisfie	ld.			
TIDAL POTOMAC KEY BRIDGE TO INDIAN H	D MD COUNTY 3.4 NW WAS	SHINGTON NATIO	NALS PARK [38.9	0, -77.06]
	07/08/12 23:05 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	07/08/12 23:05 EST		0	Source: Unknown
A wind gust around 50 knots was estimated ba	sed on thunderstorm wind dam	age nearby.		
A cold front combined with plenty of instabil thunderstorms to produce gusty winds.	ity to cause showers and thun	derstorms over th	e waters. There w	as enough instability for
TIDAL POTOMAC KEY BRIDGE TO INDIAN H	D MD COUNTY 0.2 NE (DCA	NREAGAN NATIO	NAL AIRPORT [38	.85, -77.04]
	07/10/12 19:06 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/40/40 40:46 FCT		^	Course: ACOC

Page 3 of 33 Printed on: 02/06/2013

Source: ASOS

07/10/12 19:16 EST

Wind gusts up to 36 knots were reported at Reagan National.

Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dmg A few showers and thunderstorms fired up along a cold front during the 10th. Isolated thunderstorms produced gusty winds. CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41] 07/14/12 15:50 EST Marine Thunderstorm Wind (MG 45 kt) 07/14/12 15:50 EST 0 Source: Buoy Wind gusts up to 45 knots were reported at Gooses Reef. A trough of low pressure caused showers and thunderstorms to develop over the waters. An isolated thunderstorm produced gusty winds. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 13.7 WNW PINEY POINT [38.22, -76.75] 07/15/12 14:24 EST Waterspout 07/15/12 14:24 EST 0 Source: Public A waterspout was observed by several members of the public near Breton Bay. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32] 07/15/12 15:20 EST Marine Thunderstorm Wind (MG 39 kt) 07/15/12 15:30 EST 0 Source: Mesonet Wind gusts up to 39 knots were reported at Point Lookout. TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 2.3 NNE POTOMAC LIGHT [38.37, -76.97] 07/15/12 15:31 EST Marine Thunderstorm Wind (EG 50 kt) 07/15/12 15:31 EST n Source: Unknown Wind gusts around 50 knots were estimated based on thunderstorm wind damage nearby. TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31] 07/15/12 16:41 EST 0 Marine Thunderstorm Wind (MG 36 kt) 07/15/12 16:51 EST 0 Source: ASOS Wind gusts up to 36 knots were measured at Quantico. Moderate instability along with a surface trough caused showers and thunderstorms to develop on the 15th. A few thunderstorms produced gusty winds. PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 1.1 SE BALTIMORE CITY [39.27, -76.58] 07/18/12 15:30 EST Marine Thunderstorm Wind (MG 34 kt) 07/18/12 15:30 EST 0 Source: Mesonet A wind gust of 34 knots was measured. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.1 NNW PATAPSCO BUOY [39.15, -76.39] 07/18/12 15:40 EST Marine Thunderstorm Wind (MG 47 kt) 07/18/12 15:40 EST 0 Source: Buoy A wind gust of 47 knots was reported at Patapsco Buoy. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/18/12 15:48 EST Marine Thunderstorm Wind (EG 34 kt) 0 07/18/12 15:48 EST 0 Source: Mesonet A wind gust in excess of 30 knots was reported at Tolchester Beach. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.8 WNW WASHINGTON NATIONALS PARK [38.88, -77.04] 07/18/12 15:59 EST Marine Thunderstorm Wind (MG 34 kt) 07/18/12 15:59 EST 0 Source: Mesonet

A wind gust of 34 knots was measured.

Page 4 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TIDAL POTOMAC KEY BRIDGE TO INDIA)REAGAN NATIOI	_	- · · · · · · · · · · · · · · · · · · ·
	07/18/12 16:03 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/18/12 16:06 EST		0	Source: ASOS
Wind gusts in excess of 30 knots were rep	ported at Reagan National.			
CHESAPEAKE BAY SANDY PT TO N BE		IBERRY POINT [3	· •	Marine Therefore Wind (MO 4010)
	07/18/12 16:15 EST 07/18/12 16:41 EST		0	Marine Thunderstorm Wind (MG 42 kt) Source: Mesonet
Wind gusts up to 42 knots were measured				
CHESAPEAKE BAY SANDY PT TO N BE	ACH MD COUNTY 0 4 SE TOLLY	POINT [38 94 -76	3 44 1	
onizoni zniki znikoni onikoni na kaz	07/18/12 16:17 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	07/18/12 16:33 EST		0	Source: Mesonet
Wind gusts up to 41 knots were measured	d at Tolly Point.			
CHESAPEAKE BAY SANDY PT TO N BE	ACH MD COUNTY 0.3 S ANNAPO	DLIS [38.98, -76.48]	
	07/18/12 16:20 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	07/18/12 16:40 EST		0	Source: Buoy
Wind gusts up to 41 knots were measured	d at the Annapolis Buoy.			
CHESAPEAKE BAY SANDY PT TO N BE	ACH MD COUNTY 0.8 N US NAV	AL ACADEMY [38	.99, -76.49]	
			0	Marine Thunderstorm Wind (MG 38 kt)
	07/18/12 16:27 EST		U	Marine manacistomi Wina (Me 66 kt)
	07/18/12 16:27 EST 07/18/12 16:27 EST		0	Source: ASOS
A wind gust of 38 knots was measured at	07/18/12 16:27 EST			
	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN	DY POINT [39.05,	- 76.44]	Source: ASOS
	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST	DY POINT [39.05,	- 76.44]	Source: ASOS Marine Thunderstorm Wind (EG 50 kt)
	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN	DY POINT [39.05,	- 76.44]	Source: ASOS
CHESAPEAKE BAY POOLES IS TO SAN	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST	•	- 76.44]	Source: ASOS Marine Thunderstorm Wind (EG 50 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage	e nearby.	- 76.44] 0 0	Source: ASOS Marine Thunderstorm Wind (EG 50 kt) Source: Unknown
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST	e nearby.	-76.44] 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage ACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST	e nearby.	- 76.44] 0 0	Source: ASOS Marine Thunderstorm Wind (EG 50 kt) Source: Unknown
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at	O7/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville.	e nearby. SVILLE [38.98, -70	-76.44] 0 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at	O7/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage ACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville.	e nearby. SVILLE [38.98, -70	-76.44] 0 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at	O7/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville.	e nearby. SVILLE [38.98, -70	-76.44] 0 0 5.33] 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville. EACH MD COUNTY 0.3 WSW KEN 07/18/12 16:37 EST 07/18/12 16:37 EST	e nearby. SVILLE [38.98, -70	-76.44] 0 0 5.33] 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN	e nearby. SVILLE [38.98, -70	-76.44] 0 0 0 -76.36] 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN	e nearby. SVILLE [38.98, -70	-76.44] 0 0 0 -76.36] 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt)
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville. EACH MD COUNTY 0.3 WSW KEN 07/18/12 16:37 EST 07/18/12 16:37 EST Kent Island.	e nearby. SVILLE [38.98, -70	-76.44] 0 0 5.33] 0 0 -76.36] 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage EACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville. EACH MD COUNTY 0.3 WSW KEN 07/18/12 16:37 EST 07/18/12 16:37 EST Kent Island. EACH MD COUNTY THOMAS POII 07/18/12 16:40 EST 07/18/12 16:40 EST	e nearby. SVILLE [38.98, -70	-76.44] 0 0 -76.36] 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet
A wind gust of 38 knots was measured at CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage ACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville. EACH MD COUNTY 0.3 WSW KEN 07/18/12 16:37 EST 07/18/12 16:37 EST Kent Island. EACH MD COUNTY THOMAS POII 07/18/12 16:40 EST 07/18/12 16:40 EST the Thomas Point Lighthouse.	e nearby. SVILLE [38.98, -70 T ISLAND [38.92,	-76.44] 0 0 -76.36] 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Buoy
CHESAPEAKE BAY POOLES IS TO SAN Wind gusts around 50 knots were estimate CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 40 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at CHESAPEAKE BAY SANDY PT TO N BE A wind gust of 36 knots was measured at	07/18/12 16:27 EST Annapolis. IDY PT MD COUNTY 3.5 NW SAN 07/18/12 16:30 EST 07/18/12 16:30 EST ed due to thunderstorm wind damage ACH MD COUNTY 0.2 S STEVEN 07/18/12 16:36 EST 07/18/12 16:36 EST Stevensville. EACH MD COUNTY 0.3 WSW KEN 07/18/12 16:37 EST 07/18/12 16:37 EST Kent Island. EACH MD COUNTY THOMAS POII 07/18/12 16:40 EST 07/18/12 16:40 EST the Thomas Point Lighthouse.	e nearby. SVILLE [38.98, -70 T ISLAND [38.92,	-76.44] 0 0 -76.36] 0 0	Marine Thunderstorm Wind (EG 50 kt) Source: Unknown Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Mesonet Marine Thunderstorm Wind (MG 36 kt) Source: Buoy

Page 5 of 33 Printed on: 02/06/2013

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/18/12 18:54 EST	-	0	Marine Thunderstorm Wind (MG 36 kt)
	07/18/12 19:06 EST		0	Source: Mesonet
Vind gusts up to 36 knots were measured at Bis	shops Head.			
ANGIER SOUND AND THE INLAND WATERS	SURROUNDING BLOODSWO	ORTH ISLAND CO	JNTY 0.3 SSE C	
	07/18/12 19:37 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/18/12 19:37 EST		0	Source: Mesonet
A wind gust of 38 knots was reported at Crisfield	1 .			
FANGIER SOUND AND THE INLAND WATERS		ORTH ISLAND CO		
	07/18/12 19:39 EST		0	Marine Thunderstorm Wind (MG 52 kt)
	07/18/12 20:10 EST		0	Source: Mesonet
Nind gusts up to 52 knots were reported at Cris	field.			
ANGIER SOUND AND THE INLAND WATERS		ORTH ISLAND CO		
	07/18/12 20:23 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/18/12 20:23 EST		0	Source: Mesonet
A wind gust of 38 knots was measured at Crisfie	eld.			
A surface trough combined with moderate ins thunderstorms to produce gusty winds.	tability caused showers and t	thunderstorms to	develop. There wa	s enough instability for
PATAPSCO RIVER INCLUDING BALTIMORE H		SALTIMORE CITY	-	Main Thomas Anna Nation (No. 1916)
	07/19/12 17:48 EST		0	Marine Thunderstorm Wind (MG 51 kt)
	07/19/12 18:06 EST		0	Source: Buoy
Wind gusts up to 51 knots were measured.				
Time guoto up to or talloto word iniculation.				
		MARYLAND SCIEM	-	· ·
	07/19/12 17:50 EST	MARYLAND SCIEM	O 0	Marine Thunderstorm Wind (MG 45 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H	07/19/12 17:50 EST 07/19/12 18:10 EST	MARYLAND SCIEN	0	· ·
PATAPSCO RIVER INCLUDING BALTIMORE H	07/19/12 17:50 EST 07/19/12 18:10 EST	MARYLAND SCIEM	0	Marine Thunderstorm Wind (MG 45 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center.		0 0 8N YARDS [39.28,	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. HARBOR COUNTY ORIOLE 07/19/12 18:00 EST		0 0 8N YARDS [39.28,	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center.		0 0 8N YARDS [39.28,	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. IARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST		0 0 8N YARDS [39.28,	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. IARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards.	PARK AT CAMDE	0 0 8N YARDS [39.28, 0 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. IARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards. IARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST	PARK AT CAMDE	0 0 8N YARDS [39.28, 0 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. IARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards. IARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST	PARK AT CAMDE	0 0 8N YARDS [39.28, 0 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd	07/19/12 17:50 EST 07/19/12 18:10 EST e Maryland Science Center. IARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards. IARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST	PARK AT CAMDE	0 0 8N YARDS [39.28, 0 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke	07/19/12 17:50 EST 07/19/12 18:10 EST Part Maryland Science Center. DARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST Part Science Center. DARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST Day Bridge. DARBOR COUNTY 0.1 NNW PART	PARK AT CAMDE	0 0 0 8N YARDS [39.28, 0 0 0 [39.22, -76.53] 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke	07/19/12 17:50 EST 07/19/12 18:10 EST P Maryland Science Center. PARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST PARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST Py Bridge. PMD COUNTY 0.1 NNW PA 07/19/12 19:00 EST	PARK AT CAMDE	0 0 0 8N YARDS [39.28, 0 0 0 [39.22, -76.53] 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy Marine Thunderstorm Wind (MG 37 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke	07/19/12 17:50 EST 07/19/12 18:10 EST Part Maryland Science Center. DARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST Part Science Center. DARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST Day Bridge. DARBOR COUNTY 0.1 NNW PART	PARK AT CAMDE	0 0 0 8N YARDS [39.28, 0 0 0 [39.22, -76.53] 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke CHESAPEAKE BAY POOLES IS TO SANDY PT	07/19/12 17:50 EST 07/19/12 18:10 EST P Maryland Science Center. PARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST PARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST PARBOR COUNTY 0.1 NNW PARB	PARK AT CAMDE	0 0 0 8N YARDS [39.28, 0 0 0 [39.22, -76.53] 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy Marine Thunderstorm Wind (MG 37 kt)
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke CHESAPEAKE BAY POOLES IS TO SANDY PT	07/19/12 17:50 EST 07/19/12 18:10 EST E Maryland Science Center. HARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards. HARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST EY Bridge. F MD COUNTY 0.1 NNW PA 07/19/12 19:00 EST 07/19/12 19:10 EST E Patapsco Buoy.	PARK AT CAMDE	0 0 0 8N YARDS [39.28, 0 0 0 [39.22, -76.53] 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy Marine Thunderstorm Wind (MG 37 kt) Source: Buoy
PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 45 knots were measured at the PATAPSCO RIVER INCLUDING BALTIMORE H A wind gust of 40 knots was measured at Camd PATAPSCO RIVER INCLUDING BALTIMORE H Wind gusts up to 57 knots were measured at Ke CHESAPEAKE BAY POOLES IS TO SANDY PT Wind gusts up to 37 knots were measured at the	07/19/12 17:50 EST 07/19/12 18:10 EST E Maryland Science Center. HARBOR COUNTY ORIOLE 07/19/12 18:00 EST 07/19/12 18:00 EST en Yards. HARBOR COUNTY 4.3 NNW 07/19/12 18:24 EST 07/19/12 18:36 EST EY Bridge. F MD COUNTY 0.1 NNW PA 07/19/12 19:00 EST 07/19/12 19:10 EST E Patapsco Buoy.	PARK AT CAMDE	0 0 0 8N YARDS [39.28, -0 0 0 [39.22, -76.53] 0 0	Marine Thunderstorm Wind (MG 45 kt) Source: Mesonet -76.62] Marine Thunderstorm Wind (MG 40 kt) Source: Mesonet Marine Thunderstorm Wind (MG 57 kt) Source: Buoy Marine Thunderstorm Wind (MG 37 kt) Source: Buoy

Page 6 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IDAL POTOMAC INDIAN HD TO COBB IS MI	D COUNTY 0.4 NE QUANTIC	O [38.50, -77.31]		
	07/19/12 22:03 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/19/12 22:03 EST		0	Source: ASOS
wind gust in excess of 30 knots was reported	d at Quantico.			
TANGIER SOUND AND THE INLAND WATER	S SURROUNDING BLOODSWO 07/19/12 22:20 EST	RTH ISLAND COL	JNTY 0.3 SSE C	RISFIELD [37.97, -75.88] Marine Thunderstorm Wind (MG 36 kt)
	07/19/12 22:29 EST		0	Source: Mesonet
Wind gusts up to 36 knots were measured at C	Crisfield.			
CHOPTANK RIVER TO CAMBRIDGE MD AND	THE LITTLE CHOPTANK RIVE	R COUNTY 12.	4 WNW HORN PO	INT [38.68, -76.34]
	07/19/12 22:56 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/19/12 22:56 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was reported	d at Black Walnut Harbor.			
A surface trough combined with moderate in some thunderstorms to produce gusty winds	=	hunderstorms to	develop. There wa	s enough instability for
CHESAPEAKE BAY N OF POOLES IS MD CO	UNTY 0.4 NW SUSQUEHANI	NA [39.54, -76.07]		
	07/26/12 19:20 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/26/12 19:20 EST		0	Source: Buoy
A wind gust of 35 knots was reported at the Su	squehanna Buoy.			
CHESAPEAKE BAY N OF POOLES IS MD CO	UNTY HAVRE DE GRACE [3	9.5576.101		
	07/26/12 19:29 EST	,	0	Marine Thunderstorm Wind (MG 34 kt)
	07/26/12 19:29 EST		0	Source: Mesonet
A wind gust of 34 knots was reported at Havre	De Grace.			
CHESAPEAKE BAY POOLES IS TO SANDY F	PT MD COUNTY 0.2 NNW MIL	LER ISLAND [39.:	2576.371	
	07/26/12 20:23 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/12 20:23 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was reported	i.			
TIDAL POTOMAC KEY BRIDGE TO INDIAN H		REAGAN NATIONA	AL AIRPORT [38.8	5, -77.03]
	07/26/12 21:19 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	07/26/12 21:19 EST		0	Source: ASOS
A wind gust of 37 knots was measured at Reag	gan National.			
CHESAPEAKE BAY SANDY PT TO N BEACH	MD COUNTY 0.2 SE GREEN	BERRY POINT [38	8.97, -76.46]	
	07/26/12 21:23 EST	-	0	Marine Thunderstorm Wind (MG 36 kt)
	07/26/12 21:27 EST		0	Source: Mesonet
Nind gusts up to 36 knots were reported at Gr	eenbury Point.			
CHESAPEAKE BAY SANDY PT TO N BEACH	MD COUNTY 0.4 SE TOLLY	POINT [38.94, -76	.44]	
	07/26/12 21:31 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/12 21:31 EST		0	Source: Mesonet
Nind gusts in excess of 30 knots were measur	red at Tolly Point.			
CHESAPEAKE BAY POOLES IS TO SANDY F	PT MD COUNTY 6.7 ENE BAL	.TIMORE APPROA	ACHES BUOY [39.:	21, -76.25]
	07/26/12 21:32 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	07/26/12 21:32 EST		0	Source: Mesonet

Page 7 of 33 Printed on: 02/06/2013

A wind gust of 39 knots was measured at Tolchester Beach.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY POOLES IS TO SAM		PSCO BUOY [3	•	M . T
	07/26/12 21:40 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	07/26/12 21:40 EST		0	Source: Buoy
A wind gust of 39 knots was reported at th	he Patapsco Buoy.			
CHESAPEAKE BAY SANDY PT TO N BE		LIGHT [38.90, -	-	Marine Therefore Wind (MO 00 II)
	07/26/12 21:45 EST		0	Marine Thunderstorm Wind (MG 39 kt) Source: C-MAN Station
A wind guet of 20 knots was massured at	07/26/12 21:45 EST		U	Source. C-IMAN Station
A wind gust of 39 knots was measured at	Thomas Foint Lighthouse.			
TIDAL POTOMAC INDIAN HD TO COBB	IS MD COUNTY 0.2 W POTOMAC LI 07/26/12 22:21 EST	GHT [38.34, -76	. 99] 0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/12 22:27 EST		0	Source: Mesonet
Nind gusts in excess of 30 knots was rep	ported at the Potomac Lighthouse.			
CHOPTANK RIVER TO CAMBRIDGE MD	O AND THE LITTLE CHOPTANK RIVER 07/26/12 22:42 EST	COUNTY CA	MBRIDGE [38.57 ,	-76.07] Marine Thunderstorm Wind (EG 34 kt)
	07/26/12 22:42 EST		0	Source: Buoy
A wind gust in excess of 30 knots was me			-	· · · · · · · · · · · · · · · · · · ·
and gast in shoots of so knots was the				
CHESAPEAKE BAY N BEACH TO DRUN		43, -76.39]		Marin Thursday 197
	07/26/12 22:46 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/26/12 22:54 EST		0	Source: Buoy
vinds. CHESAPEAKE BAY N OF POOLES IS M		[39.54, -76.07]		
	07/28/12 15:20 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/28/12 15:20 EST		0	Source: Buoy
A wind gust of 35 knots was measured at	the Susquehanna Buoy.			
CHESAPEAKE BAY N OF POOLES IS M		Y AIRFIELD [39.		Marine Thursday to Wind (FO 5011)
	07/28/12 15:45 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	07/28/12 15:45 EST		0	Source: Unknown
Wind gusts were estimated to be around	50 knots based on thunderstorm wind da	amage nearby.		
CHESAPEAKE BAY SANDY PT TO N BE		LIGHT [38.90, -		Marine Therefore Mr. 1/4/2 0010
	07/28/12 18:00 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/28/12 18:00 EST		0	Source: C-MAN Station
A wind gust of 36 knots was measured at	the Thomas Point Lighthouse.			
CHESAPEAKE BAY N BEACH TO DRUM		' BUOY [38.56,	-	Marine Thursday 1970 (1970)
	07/28/12 18:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
Marind must in access of CO breats	07/28/12 18:30 EST		0	Source: Buoy
Wind gusts in excess of 30 knots were mo	easured at Gooses Reet.			
OLIOPTANIK BINER TO CAMPBIDGE ME				
CHOPTANK RIVER TO CAMBRIDGE ML	O AND THE LITTLE CHOPTANK RIVER	COUNTY CA		
CHOPTANK RIVER TO CAMBRIDGE ML	O AND THE LITTLE CHOPTANK RIVER 07/28/12 18:36 EST 07/28/12 19:00 EST	COUNTY CA	MBRIDGE [38.57, 0 0	-76.07] Marine Thunderstorm Wind (MG 40 kt) Source: Buoy

Page 8 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Nind gusts up to 40 knots were reported a	at Cambridge.			
TIDAL POTOMAC KEY BRIDGE TO INDIA	AN HD MD COUNTY 0.7 E (DCA)R 07/28/12 18:57 EST	EAGAN NATION	AL AIRPORT [38.8	5, -77.03] Marine Thunderstorm Wind (MG 36 kt)
	07/28/12 18:57 EST		0	Source: ASOS
A wind gust of 36 knots was measured at	Reagan National.			
CHESAPEAKE BAY SANDY PT TO N BEA	ACH MD COUNTY THOMAS POIN	IT LIGHT [38.90, -	76.44]	
	07/28/12 19:05 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/28/12 19:05 EST		0	Source: C-MAN Station
A wind gust of 36 knots was measured at	Thomas Point.			
CHESAPEAKE BAY SANDY PT TO N BE		LIS [38.98, -76.48	-	
	07/28/12 20:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/28/12 20:10 EST		0	Source: Buoy
Nind gusts in excess of 30 knots were me	easured at the Annapolis Buoy.			
TANGIER SOUND AND THE INLAND WA		RTH ISLAND COL		
	07/28/12 20:40 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/28/12 20:50 EST		0	Source: Mesonet
A wind gust of 35 knots was measured at	Crisfield.			
ront. There was enough instability from	<u>-</u>			•
front. There was enough instability from winds.	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST	upper-level troug	9h for thunderstor 04, -76.32]	ms to produce gusty Marine Thunderstorm Wind (MG 35 kt)
ront. There was enough instability from winds. FIDAL POTOMAC COBB IS MD TO SMITI	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	ph for thunderstor	ms to produce gusty
front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITI	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	9h for thunderstor 04, -76.32]	ms to produce gusty Marine Thunderstorm Wind (MG 35 kt)
front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
FIDAL POTOMAC COBB IS MD TO SMITI	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
Front. There was enough instability from winds. FIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
FIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po A trough of low pressure triggered show	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po A trough of low pressure triggered show	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST	upper-level troug	04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po A trough of low pressure triggered show	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout.	upper-level troug	gh for thunderstori 04, -76.32] 0 0	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy
A cold front along with an upper-level tro front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po A trough of low pressure triggered show DISTRICT OF COLUMBIA (DC-Z001) DISTRICT OF COLUMBIA Upper-level high pressure built overhead and subsidence for hot and humid condi	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST	upper-level troug T LOOKOUT [38.4	oh, -76.32] 0 0 o o o o o o	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy nds. Heat
FIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Po A trough of low pressure triggered show DISTRICT OF COLUMBIA DC-Z001) DISTRICT OF COLUMBIA Upper-level high pressure built overhead and subsidence for hot and humid condi	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST	upper-level troug T LOOKOUT [38.4	oh, -76.32] 0 0 o o o o o o	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy nds. Heat
ront. There was enough instability from vinds. FIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Poto A trough of low pressure triggered show DISTRICT OF COLUMBIA DC-Z001) DISTRICT OF COLUMBIA Upper-level high pressure built overhead and subsidence for hot and humid conditions.	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST d while surface high pressure moved itions.	upper-level troug T LOOKOUT [38.4	of for thunderstore of the control	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy nds. Heat bmbined with sunshine
TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Potomac A trough of low pressure triggered show DISTRICT OF COLUMBIA DC-Z001) DISTRICT OF COLUMBIA Upper-level high pressure built overhead and subsidence for hot and humid conditions.	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST d while surface high pressure moved itions.	upper-level troug T LOOKOUT [38.4	of for thunderstore of the control	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy nds. Heat
front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITI A wind gust of 35 knots was reported at Poto A trough of low pressure triggered show DISTRICT OF COLUMBIA (DC-Z001) DISTRICT OF COLUMBIA	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST d while surface high pressure moved itions. 07/08/12 11:00 EST 07/08/12 16:00 EST	upper-level troug T LOOKOUT [38.0	of thunderstore of the control of t	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy Inds. Heat Heat Heat
Front. There was enough instability from winds. TIDAL POTOMAC COBB IS MD TO SMITT A wind gust of 35 knots was reported at Potential Po	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST d while surface high pressure moved itions. 07/08/12 11:00 EST 07/08/12 16:00 EST	T LOOKOUT [38.0] I thunderstorm produced the coast. A	of thunderstore of the control of t	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy Inds. Heat Heat Heat
Front. There was enough instability from winds. FIDAL POTOMAC COBB IS MD TO SMITT A wind gust of 35 knots was reported at Potential Po	H PT VA COUNTY 0.2 WNW POIN 07/31/12 02:20 EST 07/31/12 02:20 EST oint Lookout. vers and thunderstorms. An isolated 07/04/12 15:00 EST 07/04/12 17:00 EST d while surface high pressure moved itions. 07/08/12 11:00 EST 07/08/12 16:00 EST	T LOOKOUT [38.0] I thunderstorm produced the coast. A	of thunderstore of the control of t	Marine Thunderstorm Wind (MG 35 kt) Source: Buoy Inds. Heat Heat Heat

Page 9 of 33 Printed on: 02/06/2013

Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dma A cold front passed through the area on the 8th. High heat and humidity ahead of the boundary caused plenty of instability. The high instability combined with forcing from the front, causing an isolated thunderstorm to produce damaging winds. DISTRICT OF COLUMBIA COUNTY --- 0.9 SW BROOKLAND [38.92, -77.01], 1.1 SSW BROOKLAND [38.92, -77.01], 1.3 SSW BROOKLAND [38.91, -77.01], 1.3 SW BROOKLAND [38.92, -77.02] 0 07/10/12 19:20 EST Flash Flood (due to Heavy Rain) 07/10/12 21:20 EST 0 Source: Broadcast Media Flash flooding near Rhode Island Avenue and First Street Northwest in Bloomingdale. A cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms along the front had very high rainfall rates. Enough rain fell in the Washington DC to induce an isolated flash flood in the Bloomingdale neighborhood from rainfall amounts of up to 2.36 inches. (DC-Z001) DISTRICT OF COLUMBIA 07/18/12 13:00 EST 0 Heat 07/18/12 15:00 EST 0 High pressure off the coast allowed for a hot and humid air mass to remain over the Mid-Atlantic. DISTRICT OF COLUMBIA COUNTY --- 1.8 W WALTER REED [38.98, -77.06] 07/18/12 15:22 EST 20K Thunderstorm Wind (EG 52 kt) 07/18/12 15:22 EST 0 Source: Broadcast Media A large tree fell across two houses. DISTRICT OF COLUMBIA COUNTY --- 1.8 NE BENNING [38.90, -76.93] 07/18/12 16:10 EST 15K Thunderstorm Wind (EG 52 kt) 07/18/12 16:10 EST O Source: Newspaper A tree was blown down onto a car in the 4900 Block of Jay Street NE. A surface trough combined with moderate instability caused showers and thunderstorms to develop. There was enough instability fora few thunderstorms to produce damaging wind gusts. DISTRICT OF COLUMBIA COUNTY --- 0.7 S BROOKLAND [38.92, -77.00], 0.6 SSE BROOKLAND [38.92, -77.00], 0.7 SSE BROOKLAND [38.92, -77.00], 0.7 S BROOKLAND [38.92, -77.00] 07/18/12 17:00 EST 0 Flash Flood (due to Heavy Rain) 0 07/18/12 19:00 FST Source: Broadcast Media Rhode Island Avenue was closed due to flash flooding. Several vehicles stalled in high water. A nearly stationary low pressure trough induced a slow-moving thunderstorm over Washington DC during the afternoon. Very heavy rain associated with it caused flash flooding in the Bloomingdale neighborhood. DISTRICT OF COLUMBIA COUNTY --- 1.8 SW BROOKLAND [38.91, -77.02], 1.4 SW BROOKLAND [38.92, -77.02], 0.3 SSE BROOKLAND [38.93, -77.00], 1.0 W NATIONAL ARBORETUM [38.92, -76.99] 07/19/12 21:40 EST 0 Flash Flood (due to Heavy Rain) 07/19/12 23:40 EST 0 Source: State Official Multiple blocks of Rhode Island Avenue reporting flash flooding. Also, flash flooding forced closures on West Virginia Avenue, Olive Avenue, Eastern Avenue, and Minnesota Avenue. Low pressure drifted eastward across the Mid-Atlantic along a stalled front. Afternoon showers and thunderstorms erupted in a highly moist and unstable atmosphere. Heavy rain associated with some of the activity caused flash flooding. (DC-Z001) DISTRICT OF COLUMBIA 07/26/12 13:00 EST 0 Heat 07/26/12 18:00 EST 0

High pressure off the coast allowed for a hot and humid air mass to remain over the Mid-Atlantic.

Page 10 of 33 Printed on: 02/06/2013

07/02/12 00:28 EST 0 Two trees fell into houses in Westview. ST. MARY'S COUNTY 0.5 W PATUXENT RIVER [38.28, -76.41] 07/02/12 03:13 EST 0	5K Thunderstorm Wind (EG 56 kt) Source: State Official
07/02/12 00:28 EST 15 07/02/12 00:28 EST 0 Two trees fell into houses in Westview. ST. MARY'S COUNTY 0.5 W PATUXENT RIVER [38.28, -76.41] 07/02/12 03:13 EST 0	,
07/02/12 00:28 EST 0 Two trees fell into houses in Westview. ST. MARY'S COUNTY 0.5 W PATUXENT RIVER [38.28, -76.41] 07/02/12 03:13 EST 0	,
Two trees fell into houses in Westview. ST. MARY'S COUNTY 0.5 W PATUXENT RIVER [38.28, -76.41] 07/02/12 03:13 EST 0	Source: State Official
ST. MARY'S COUNTY 0.5 W PATUXENT RIVER [38.28, -76.41] 07/02/12 03:13 EST 0	
07/02/12 03:13 EST 0	
	Thunderstorm Wind (MG 52 kt)
07/02/12 03:13 EST 0	Source: AWOS
wind gust of 60 mph was reported.	
A cold front passed through during the early morning hours of the 2nd. The boundary triggered shall change the conduction of the 2nd. The boundary triggered shall change the conduction of the 2nd. The boundary triggered shall change the 2nd from the 2n	lowers and thunderstorms. Some
NASHINGTON COUNTY 0.2 ESE FAIRVIEW [39.72, -77.85]	
07/03/12 17:13 EST 1K	,
07/03/12 17:13 EST 0	Source: Public
rees were down along Fairview Church Road.	
ALLEGANY COUNTY 0.5 W OLDTOWN [39.55, -78.63]	
07/03/12 17:15 EST 0	Thunderstorm Wind (EG 52 kt)
07/03/12 17:15 EST 0	Source: Trained Spotter
Branches that were two to three inches in diameter were broken off.	
WASHINGTON COUNTY 0.5 N SHARPSBURG [39.46, -77.75]	
07/03/12 17:55 EST 0	Thunderstorm Wind (EG 52 kt)
07/03/12 17:55 EST 0	Source: State Official
A tree limb was down.	
An upper-level disturbance triggered a few showers and thunderstorms. There was enough instabi for a few thunderstorms to produce damaging wind gusts and large hail across the western portion	-
(MD-Z007) HARFORD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES	
07/04/12 15:00 EST 0	Heat
07/04/12 18:00 EST 0	
Upper-level high pressure built overhead while surface high pressure moved off the coast. A south and subsidence for hot and humid conditions.	nerly flow combined with sunshine
ALLEGANY COUNTY 0.4 ENE KINGS GROVE [39.72, -78.76]	
07/04/12 18:55 EST 0	Hail (1.00 in)
07/04/12 18:55 EST 0	Source: Broadcast Media
Quarter sized hail was reported.	
	-
An upper-level disturbance passed through the area on the 4th. Moderate amounts of instability co disturbance for showers and thunderstorms to develop. An isolated thunderstorm produced large CHARLES COUNTY 0.6 NW DONCASTER [38.51, -77.23]	
disturbance for showers and thunderstorms to develop. An isolated thunderstorm produced large	Hail (1.00 in)
disturbance for showers and thunderstorms to develop. An isolated thunderstorm produced large CHARLES COUNTY 0.6 NW DONCASTER [38.51, -77.23]	
CHARLES COUNTY 0.6 NW DONCASTER [38.51, -77.23] 07/05/12 02:11 EST 0 07/05/12 02:11 EST 0	Hail (1.00 in)
CHARLES COUNTY 0.6 NW DONCASTER [38.51, -77.23] 07/05/12 02:11 EST 0 07/05/12 02:11 EST 0 Quarter sized hail was reported.	Hail (1.00 in)
disturbance for showers and thunderstorms to develop. An isolated thunderstorm produced large CHARLES COUNTY 0.6 NW DONCASTER [38.51, -77.23] 07/05/12 02:11 EST 0	Hail (1.00 in)

Page 11 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
mall branches were down.				
HARLES COUNTY 0.5 SSW BEL AL	LTON [38.46, -76.98]			
	07/05/12 02:47 EST		5K	Thunderstorm Wind (EG 56 kt)
	07/05/12 02:47 EST		0	Source: State Official
lumerous trees were down.				
SALTIMORE COUNTY 0.9 SE GLENC	COE [39.54, -76.62]			
	07/05/12 17:44 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/05/12 17:44 EST		0	Source: Emergency Manager
tree was down on the 1600 Block of Sp	parks Road.			
IARFORD COUNTY 1.5 SSW TAYLO	DR [39.56, -76.53]			
	07/05/12 17:52 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/05/12 17:52 EST		0	Source: State Official
tree was down on wires along Hess Ro	oad between Jarettsville Pike and Mar	Road near Monkt	on.	
IARFORD COUNTY 0.7 S UPPER XF	DDS [20 54 76 49]			
IMPLOKE COUNTY U./ S UPPER XI	07/05/12 17:58 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/05/12 17:58 EST		0	Source: State Official
	01100112 11.00 E01		J	Source. State Sillolai
tree was down across the roadway on	Scarff Road off of Baldwin Mill Road.			
IARFORD COUNTY 1.4 S FULFORD	[39.53, -76.28]			
IARFORD COUNTY 1.4 S FULFORD	0 [39.53, -76.28] 07/05/12 18:23 EST		1K	Thunderstorm Wind (EG 52 kt)
HARFORD COUNTY 1.4 S FULFORD	= -		1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official
	07/05/12 18:23 EST 07/05/12 18:23 EST	Road.		
HARFORD COUNTY 1.4 S FULFORD A large tree fell down on Wheel Road be An upper-level disturbance combined with upderstorms produced damaging with	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I		0	Source: State Official
A large tree fell down on Wheel Road be An upper-level disturbance combined white the combined with the combined with the company of the comp	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sl nd gusts and large hail.	nowers and thund	0 erstorms during tl	Source: State Official he 5th. A couple
A large tree fell down on Wheel Road be An upper-level disturbance combined v hunderstorms produced damaging wi	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016	nowers and thund	0 erstorms during tl Z017) ST. MARY'S	Source: State Official he 5th. A couple , (MD-Z018) CALVERT
Narge tree fell down on Wheel Road be An upper-level disturbance combined when the combined with the c	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks if with moderate instability to trigger sl nd gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST	nowers and thund	0 erstorms during to Z017) ST. MARY'S 0	Source: State Official he 5th. A couple
s large tree fell down on Wheel Road be on upper-level disturbance combined s shunderstorms produced damaging wit	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016	nowers and thund	0 erstorms during tl Z017) ST. MARY'S	Source: State Official he 5th. A couple , (MD-Z018) CALVERT
A large tree fell down on Wheel Road be An upper-level disturbance combined with the	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks if with moderate instability to trigger sl nd gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST	nowers and thund	0 erstorms during to Z017) ST. MARY'S 0	Source: State Official he 5th. A couple , (MD-Z018) CALVERT
Narge tree fell down on Wheel Road be An upper-level disturbance combined whenderstorms produced damaging wind MD-Z011) SOUTHERN BALTIMORE, (M	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks if with moderate instability to trigger sl nd gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST	nowers and thund	0 erstorms during to Z017) ST. MARY'S 0	Source: State Official he 5th. A couple , (MD-Z018) CALVERT
A large tree fell down on Wheel Road be An upper-level disturbance combined with the	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sI and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST	nowers and thund	0 erstorms during tl Z017) ST. MARY'S 0 0	Source: State Official he 5th. A couple , (MD-Z018) CALVERT Heat
A large tree fell down on Wheel Road be An upper-level disturbance combined with the company of	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sl nd gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST	nowers and thund	erstorms during the control of the c	Source: State Official he 5th. A couple , (MD-Z018) CALVERT Heat
A large tree fell down on Wheel Road be An upper-level disturbance combined with the company of	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks I with moderate instability to trigger sl nd gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST	nowers and thund	erstorms during the control of the c	Source: State Official he 5th. A couple , (MD-Z018) CALVERT Heat
A large tree fell down on Wheel Road be An upper-level disturbance combined with the	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks If with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST 07/05/12 17:00 EST	OCHARLES, (MD-	erstorms during the control of the c	Source: State Official the 5th. A couple , (MD-Z018) CALVERT Heat Excessive Heat
A large tree fell down on Wheel Road be An upper-level disturbance combined whunderstorms produced damaging with MD-Z011) SOUTHERN BALTIMORE, (MMD-Z011) SOUTHERN BALTIMORE Direct Fatalities: M???? Upper-level high provided plenty of sultered and southerly fleater.	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks If with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST 07/05/12 17:00 EST	OCHARLES, (MD-	erstorms during the control of the c	Source: State Official the 5th. A couple , (MD-Z018) CALVERT Heat Excessive Heat
A large tree fell down on Wheel Road be An upper-level disturbance combined with the complex of the combined with the co	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks If with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST 07/05/12 17:00 EST	OCHARLES, (MD-	erstorms during the control of the c	Source: State Official the 5th. A couple , (MD-Z018) CALVERT Heat Excessive Heat
A large tree fell down on Wheel Road be an upper-level disturbance combined whenderstorms produced damaging with MD-Z011) SOUTHERN BALTIMORE, (MMD-Z011) SOUTHERN BALTIMORE Direct Fatalities: M???? Upper-level high provided plenty of sulpoast. The subsidence and southerly fleatened and southe	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks If with moderate instability to trigger sl and gusts and large hail. MD-Z014) ANNE ARUNDEL, (MD-Z016 07/05/12 10:34 EST 07/05/12 18:00 EST 07/05/12 17:00 EST	OCHARLES, (MD-	erstorms during the control of the c	Source: State Official the 5th. A couple (MD-Z018) CALVERT Heat Excessive Heat
A large tree fell down on Wheel Road be an upper-level disturbance combined when the combined with the combined of the combined with the combined of the combined with the combined of the com	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks Reween State Route 543 and Schucks	OCHARLES, (MD-3) 3	erstorms during the control of the c	Source: State Official the 5th. A couple (MD-Z018) CALVERT Heat Excessive Heat
A large tree fell down on Wheel Road be an upper-level disturbance combined when the company of the combined with the combined of the combined with the combined of the combined with the combined of the comb	07/05/12 18:23 EST 07/05/12 18:23 EST etween State Route 543 and Schucks Reween State Route 543 and Schucks	OCHARLES, (MD-3) 3	erstorms during the control of the c	Source: State Official the 5th. A couple (MD-Z018) CALVERT Heat Excessive Heat

 $(MD-Z009)\ MONTGOMERY, (MD-Z011)\ SOUTHERN\ BALTIMORE, (MD-Z013)\ PRINCE\ GEORGES, (MD-Z014)\ ANNE\ ARUNDEL, (MD-Z017)\ ST.\ MARY'S,$

Page 12 of 33 Printed on: 02/06/2013

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MD-Z018) CALVERT				
	07/08/12 11:00 EST	1	0	Heat
	07/08/12 16:00 EST		0	
Direct Fatalities: M????				
MD-Z016) CHARLES				
,	07/08/12 13:00 EST		0	Excessive Heat
	07/08/12 15:00 EST		0	
Jpper-level high pressure built overhead and subsidence for hot and humid condit	= :	ed off the coast. A	southerly flow cor	nbined with sunshine
HARLES COUNTY 0.5 ESE DONCAST	TER [38.50, -77.21]			
	07/08/12 16:25 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 16:25 EST		0	Source: State Official
A tree was down at Gilroy and Port Tobacc	co Road.			
CALVERT COUNTY 0.7 NE WILSON [38	_			
	07/08/12 17:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 17:10 EST		0	Source: State Official
A tree was down on Wilson Road and Plum	n Point Road.			
CALVERT COUNTY 0.7 N BOWENS [38				
	07/08/12 17:12 EST		0	Thunderstorm Wind (EG 52 kt)
	07/08/12 17:12 EST		0	Source: Emergency Manager
	allowing Point Road.			
rees were down on Adelina Road near Ha				
	ANZA [38.39, -76.70]			
	ANZA [38.39, -76.70] 07/08/12 17:13 EST		1K	Thunderstorm Wind (EG 52 kt)
			1K 0	Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
ST. MARY'S COUNTY 0.6 NNE MORGA	07/08/12 17:13 EST 07/08/12 17:13 EST			
ST. MARY'S COUNTY 0.6 NNE MORGA Frees were down on Morganza Turner Roa A cold front passed through the area on the	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah		0 ary caused plenty o	Source: Emergency Manager
Trees were down on Morganza Turner Road Cold front passed through the area on the Instability combined with forcing from the	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to	produce damagin	0 ary caused plenty o g winds large hail.	Source: Emergency Manager of instability. The high
Trees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the GREDERICK COUNTY 1.3 W WALKERS	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W.	produce damagin	0 ary caused plenty o g winds large hail.	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6
FREDERICK COUNTY 0.6 NNE MORGA	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST	produce damagin	0 ory caused plenty of g winds large hail. -48, -77.37], 0.6 W	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain)
FREDERICK COUNTY 0.6 NNE MORGA	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W.	produce damagin	ory caused plenty og winds large hail.	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6
FREDERICK COUNTY 0.6 NNE MORGA Trees were down on Morganza Turner Roa A cold front passed through the area on the REDERICK COUNTY 1.3 W WALKERS NNW WALKERSVILLE [39.48, -77.36]	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST	produce damagin	0 ory caused plenty of g winds large hail. -48, -77.37], 0.6 W	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain)
FREDERICK COUNTY 0.6 NNE MORGA NNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received.	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville.	produce damaging ALKERSVILLE [39	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official
FREDERICK COUNTY 0.6 NNE MORGA NNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received.	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville.	produce damaging ALKERSVILLE [39	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official
Frees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the FREDERICK COUNTY 1.3 W WALKERS WNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received a cold front stalled just south of Marylandoundary, across northern Maryland. Ra	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. ad during the early morning. Elevate infall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [38	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated f	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official med north of this crick County.
Frees were down on Adelina Road near Harman Road near Harman Road near Harman Road near Harman Road Road New York County 0.6 NNE MORGA A cold front passed through the area on the Instability combined with forcing from the FREDERICK COUNTY 1.3 W WALKERS WNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received A cold front stalled just south of Maryland Coundary, across northern Maryland. Rads. MARY'S COUNTY 0.5 S COLTON [3]	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. In diduring the early morning. Elevate infall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [3: 07/15/12 14:24 EST	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated f	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0 ounderstorms train lash flood in Frederstorms	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official ded north of this brick County. Tornado (EF0, L: 0.05 mi , W: 50 yd)
Frees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the FREDERICK COUNTY 1.3 W WALKERS WNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received a cold front stalled just south of Marylandoundary, across northern Maryland. Ra	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. ad during the early morning. Elevate infall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [38	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated f	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official med north of this crick County.
Trees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the IREDERICK COUNTY 1.3 W WALKERS VNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received a cold front stalled just south of Marylandoundary, across northern Maryland. Rast. MARY'S COUNTY 0.5 S COLTON [3]	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. ad during the early morning. Elevate infall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [3: 07/15/12 14:24 EST 07/15/12 14:25 EST	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated for the second se	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0 ounderstorms train lash flood in Frederstorms	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official med north of this crick County. Tornado (EF0, L: 0.05 mi , W: 50 yd) Source: Emergency Manager
Trees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the IREDERICK COUNTY 1.3 W WALKERS VNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received a cold front stalled just south of Maryland coundary, across northern Maryland. Rast. MARY'S COUNTY 0.5 S COLTON [3] A waterspout was reported to have moved well as removing siding and shingles to hor	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. In diving the early morning. Elevate sinfall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [3: 07/15/12 14:24 EST 07/15/12 14:25 EST onshore along Windy Lane near Comes.	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated for the second se	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0 ounderstorms train lash flood in Frederstorms	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official med north of this crick County. Tornado (EF0, L: 0.05 mi , W: 50 yd) Source: Emergency Manager
Frees were down on Morganza Turner Road Cold front passed through the area on the instability combined with forcing from the FREDERICK COUNTY 1.3 W WALKERS WNW WALKERSVILLE [39.48, -77.36] Several reports of high water were received a cold front stalled just south of Marylandoundary, across northern Maryland. Ra	07/08/12 17:13 EST 07/08/12 17:13 EST ad. the 8th. High heat and humidity ah e front, causing thunderstorms to SVILLE [39.48, -77.37], 1.3 WSW W. 07/09/12 02:30 EST 07/09/12 04:00 EST d in and near Walkersville. In diving the early morning. Elevate sinfall amounts were sufficient to c 38.22, -76.75], 0.4 SSW COLTON [3: 07/15/12 14:24 EST 07/15/12 14:25 EST onshore along Windy Lane near Comes.	produce damaging ALKERSVILLE [39 ed showers and the ause an isolated for the second se	ory caused plenty of g winds large hail. .48, -77.37], 0.6 W 0 0 ounderstorms train lash flood in Frederstorms	Source: Emergency Manager of instability. The high WALKERSVILLE [39.48, -77.36], 0.6 Flash Flood (due to Heavy Rain) Source: State Official med north of this crick County. Tornado (EF0, L: 0.05 mi , W: 50 yd) Source: Emergency Manager

A large portion of a tree snapped off into a garage.

Page 13 of 33 Printed on: 02/06/2013

Deaths &

Property &

Event Type and Details

Date/Time

Location

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
An upper-level trough combined with an unst produced damaging wind gusts. Winds chan develop into a tornado across lower southerr	ged speed and direction with h			
(MD 7004) EDEDEDICK (MD 7005) CADDOLL	(MD Z000) NODTUEDN DALT	IMODE (MD 7007	NUADEODD (MD	ZOOO) MONTOOMERY (MR ZOOO)
(MD-Z004) FREDERICK, (MD-Z005) CARROLL HOWARD, (MD-Z011) SOUTHERN BALTIMOR MARY'S, (MD-Z018) CALVERT				
mratt 6, (mb 2010) 67.272.tt	07/18/12 10:00 EST		0	Heat
	07/18/12 17:00 EST		0	
High pressure off the coast allowed for a hot	and humid air mass to remain	over the Mid-Atla	ntic.	
MD-Z011) SOUTHERN BALTIMORE				
()	07/18/12 12:00 EST		0	Excessive Heat
	07/18/12 15:00 EST		0	
	5		Č	
WASHINGTON COUNTY 0.4 E HAGERSTO	WN [39.65, -77.71]			
3.4 E 13.0ERO10	07/18/12 13:44 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:44 EST		0	Source: State Official
A tree fell onto a telephone pole along Wayside	e Avenue.			
WASHINGTON COUNTY 0.8 S HAGERSTO			2K	Thunderstorm Wind (EC 52 H)
	07/18/12 13:45 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:45 EST		0	Source: State Official
A tree fell onto power lines along Locust Street				
WASHINGTON COUNTY 1.3 SE LINCOLN A			014	
	07/18/12 13:46 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:46 EST		0	Source: Fire Department/Rescue
Trees were down due to thunderstorm wind gus	sts.			
WASHINGTON COUNTY 1.0 ESE LINCOLN	AVENUE [39.61, -77.75]			
	07/18/12 13:49 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:49 EST		0	Source: Fire Department/Rescue
A tree fell onto wires along Red Oak Drive.				
WASHINGTON COUNTY 1.8 SW CHEWSVII	LLE [39.63, -77.66] 07/18/12 14:10 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:10 EST		2N 0	Source: Fire Department/Rescue
A tree fell onto power lines Peacock Trail.	07/10/12 14:10 LOT		J	course. The Department/Nessure
·				
WASHINGTON COUNTY 1.6 ESE MAPLEVI				
	07/18/12 14:13 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:13 EST		0	Source: State Official
A tree fell across the intersection of Boonsboro	Mountain Road and Keadle Roa	ad.		
WASHINGTON COUNTY 0.7 NNE LAPPANS	S [39.56, -77.74]			
	07/18/12 14:20 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:20 EST		0	Source: State Official
A tree fell onto power lines along Lappins road.				
'				

Page 14 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/18/12 14:24 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:24 EST		0	Source: 911 Call Center
Trees were down at Mill Point Road.				
CARROLL COUNTY 0.5 E TYRONE [39.62, -77	.09]			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: 911 Call Center
Large limbs were down due to thunderstorm wind	gusts.			
CARROLL COUNTY 1.2 SSE TANEYTOWN [39]	9.66, -77.17]			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: Emergency Manager
Large limbs and a power line was down due to thu	nderstorm wind gusts.			
CARROLL COUNTY 1.5 NNW AVONDALE [39.	•			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: State Official
Large limbs were down along MD 140.				
FREDERICK COUNTY 0.4 NNW LOYS [39.60,	-77.35]			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: State Official
Trees were down along Old Frederick Road and C	old Mill Road.			
FREDERICK COUNTY 1.1 ENE CATOCTIN FU	RNACE [39.59, -77.41]			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: State Official
A tree was down on Kellys Store Road.				
WASHINGTON COUNTY 1.6 S PONDSVILLE [:	39.60, -77.60]			
	07/18/12 14:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:30 EST		0	Source: 911 Call Center
A tree was down along Crystal Falls Drive.				
FREDERICK COUNTY 2.2 W NEW LONDON [3	9.42, -77.29]			
_	07/18/12 14:50 EST		0	Thunderstorm Wind (EG 52 kt)
	07/18/12 14:50 EST		0	Source: CoCoRaHS
Propohog word down due to thunderstorm wind au	uete			
branches were down due to thunderstorm wind go	1515.			
			2K	Thunderstorm Wind (EG 52 kt)
ANNE ARUNDEL COUNTY 2.0 NW ODENTON	[39.10, -76.73]		2K 0	Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
	[39.10, -76.73] 07/18/12 15:45 EST 07/18/12 15:45 EST			·
ANNE ARUNDEL COUNTY 2.0 NW ODENTON	[39.10, -76.73] 07/18/12 15:45 EST 07/18/12 15:45 EST d gusts.			·
ANNE ARUNDEL COUNTY 2.0 NW ODENTON Several trees were down due to thunderstorm wind	[39.10, -76.73] 07/18/12 15:45 EST 07/18/12 15:45 EST d gusts.			·

Two snapped trees and a large branch were down at a residence.

A surface trough combined with moderate instability caused showers and thunderstorms to develop. There was enough instability for thunderstorms to produce damaging wind gusts and large hail.

Page 15 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PRINCE GEORGE'S COUNTY 0.9 SW A	=	8 SE RIVERDALE	[38.94, -76.94], 0.6	6 SW ALEXANDRIA JCT [38.94, -76.94],
0.7 SSW ALEXANDRIA JCT [38.94, -76.94]	07/18/12 16:58 EST		0	Flood (due to Heavy Rain)
	07/18/12 21:00 EST		0	Source: Trained Spotter
Ponded water of over 1 foot deep was obse	erved on Upshur Street between Ker	nilworth Avenue a	nd Route 1 in Blade	·
A nearly stationary low pressure trough in	nduced scattered slow-moving thu	nderstorms durir		-
of Washington DC. Minor flooding was ol	bserved in Prince Georges County	•		
BALTIMORE COUNTY 0.4 NNE SPARR	• • •		0	Thursdaystays Wind (MC 54 lst)
	07/19/12 18:06 EST		0	Thunderstorm Wind (MG 51 kt) Source: Mesonet
	07/19/12 18:06 EST		U	Source. Mesonet
A wind gust of 59 mph was measured at Fe	ells Point.			
MONTGOMERY COUNTY 1.1 NNW CLA	• ′ •			
	07/19/12 20:23 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/19/12 20:23 EST		0	Source: Public
Trees were down and damage was done to	a pavilion on the 23000 Block of Fr	ederick Road.		
MONTGOMERY COUNTY 1.0 SSW MON	NTGOMERY VLG [39.16, -77.19]			
	07/19/12 20:36 EST		0	Thunderstorm Wind (EG 52 kt)
	07/19/12 20:36 EST		0	Source: Unknown
A wind gust around 60 mph was estimated	based on thunderstorm wind damag	ge nearby.		
MONTGOMERY COUNTY 0.7 N RANDO	LPH HILLS [39.09, -77.13]			
	07/19/12 20:44 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/19/12 20:44 EST		0	Source: State Official
A large tree was down on Norbeck Road ne	ear Gude Drive.			
MONTGOMERY COUNTY 0.9 WSW GEO	ORGETOWN JCT [38.99, -77.06]			
	07/19/12 20:57 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/19/12 20:57 EST		0	Source: Department of Highways
A tree was down on East West Highway ne	ar Beach Drive.			
A surface trough combined with moderate	•	hunderstorms to	develop. There wa	s enough instability for
some thunderstorms to produce damagin	g wind gusts.			
BALTIMORE COUNTY 1.4 N SPARROW BPARROWS PT [39.30, -76.58]	/S PT [39.29, -76.58], 1.5 N SPARR	OWS PT [39.29, -7	76.58], 1.8 N SPAR	ROWS PT [39.30, -76.58], 1.9 N
7. A.(07/19/12 18:20 EST		0	Flash Flood (due to Heavy Rain)
	07/19/12 20:20 EST		0	Source: Broadcast Media
Two feet of water was flowing down North k	Kenwood Avenue. A nearby rain ga	uge tallied 3.30 in	ches of rain.	
				INIW CDADDOWS DT 120 20 - 70 003
BALTIMORE COUNTY 2.3 NNW SPARR	OWS PT [39.30, -76.60], 2.2 NNW S		9.30, -76.60], 2.1 N	
BALTIMORE COUNTY 2.3 NNW SPARR				INW SPARROWS PT [39.30, -76.60], Flash Flood (due to Heavy Rain)
BALTIMORE COUNTY 2.3 NNW SPARR	OWS PT [39.30, -76.60], 2.2 NNW S		9.30, -76.60], 2.1 N	
BALTIMORE COUNTY 2.3 NNW SPARR 2.4 NNW SPARROWS PT [39.30, -76.60]	07/19/12 18:24 EST 07/19/12 20:24 EST	SPARROWS PT [3	9 .30, -76.60], 2.1 N 0 0	Flash Flood (due to Heavy Rain) Source: State Official
BALTIMORE COUNTY 2.3 NNW SPARR 2.4 NNW SPARROWS PT [39.30, -76.60] Flash flooding stranded vehicles on North C	07/19/12 18:24 EST 07/19/12 20:24 EST Caroline Street near East Madison S	SPARROWS PT [3	9.30, -76.60], 2.1 N 0 0 sin gauge recorded	Flash Flood (due to Heavy Rain) Source: State Official 3.27 inches.
BALTIMORE COUNTY 2.3 NNW SPARR 2.4 NNW SPARROWS PT [39.30, -76.60] Flash flooding stranded vehicles on North C	07/19/12 18:24 EST 07/19/12 20:24 EST Caroline Street near East Madison S	SPARROWS PT [3	9.30, -76.60], 2.1 N 0 0 ain gauge recorded	Flash Flood (due to Heavy Rain) Source: State Official 3.27 inches. 34, -77.37], 0.7 SE URBANA [39.32,
Two feet of water was flowing down North R BALTIMORE COUNTY 2.3 NNW SPARR 2.4 NNW SPARROWS PT [39.30, -76.60] Flash flooding stranded vehicles on North C FREDERICK COUNTY 0.9 SW URBANA -77.34]	07/19/12 18:24 EST 07/19/12 20:24 EST Caroline Street near East Madison S	SPARROWS PT [3	9.30, -76.60], 2.1 N 0 0 sin gauge recorded	Flash Flood (due to Heavy Rain) Source: State Official 3.27 inches.

Page 16 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Small creeks and streams exceeded their bar	nks near the intersection of Route	80 and Interstate	270.	
CARROLL COUNTY 0.7 S WESTMINSTER		WESTMINSTER A	RPT [39.59, -77.00], 0.5 SE WESTMINSTER ARPT [39.59,
-76.99], 0.6 NNE WESTMINSTER [39.59, -77.	-		0	Flood (due to Hoovy Dair)
	07/19/12 21:12 EST		0	Flood (due to Heavy Rain)
	07/19/12 23:45 EST		0	Source: Public
One to two feet of water was ponded on the e	eastbound lane of Route 140 near	Route 97. A near	by rain gauge obse	erved 3.25 inches.
CARROLL COUNTY 0.7 S WESTMINSTER	R [39.57, -77.00], 1.0 S WESTMIN	STER [39.57, -77.0	00], 1.1 SSW WES	TMINSTER [39.56, -77.01], 0.8 SSW
WESTMINSTER [39.57, -77.00]			_	
	07/19/12 21:25 EST		0	Flash Flood (due to Heavy Rain)
	07/19/12 23:25 EST		0	Source: Public
Flash flooding stalled cars at Bond Street and	Route 27. A nearby rain gauge	observed 2.40 inch	nes.	
CARROLL COUNTY 1.1 SSE CRANBERR	Y STATION [39.57, -76.97], 1.3 S	E CRANBERRY S	TATION [39.57, -76	5.97], 1.4 SSE CRANBERRY STATION
[39.56, -76.97], 1.1 S CRANBERRY STATION				
	07/19/12 21:40 EST		0	Flash Flood (due to Heavy Rain)
	07/19/12 23:45 EST		0	Source: 911 Call Center
Route 140 at Malcolm Drive was closed due t	o high water.			
BALTIMORE COUNTY 0.9 NW SPARROW	/S PT [39.28, -76.59], 1.3 NW SP.	ARROWS PT [39.2	8, -76.60], 1.4 NW	SPARROWS PT [39.28, -76.60], 1.2
NW SPARROWS PT [39.28, -76.59]			_	
	07/19/12 22:53 EST		0	Flash Flood (due to Heavy Rain)
			_	
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rair	lid-Atlantic along a stalled front n associated with some of the a	. Afternoon show	ers and thunderst	orms erupted in a highly
Low pressure drifted eastward across the N moist and unstable atmosphere. Heavy rair as high as 4.30 inches in Baltimore County.	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the a	. Afternoon show	nearby reported 3.	00 inches of rain.
Low pressure drifted eastward across the N moist and unstable atmosphere. Heavy rair as high as 4.30 inches in Baltimore County.	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the a	. Afternoon show	nearby reported 3.	00 inches of rain.
Low pressure drifted eastward across the N moist and unstable atmosphere. Heavy rair as high as 4.30 inches in Baltimore County.	a Street at South Caroline Street. Iid-Atlantic along a stalled front in associated with some of the acases.	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser	00 inches of rain. orms erupted in a highly ved rainfall amounts were
Low pressure drifted eastward across the N moist and unstable atmosphere. Heavy rair as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the action of the	. Afternoon show	nearby reported 3 ers and thunderst h flooding. Obser	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt)
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the arms of the a	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road	a Street at South Caroline Street. Ilid-Atlantic along a stalled front in associated with some of the arms. 39.52, -76.62] 07/24/12 15:23 EST 07/24/12 15:23 EST I. IT [39.57, -77.50] 07/24/12 15:25 EST	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt)
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the arms of the a	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN	a Street at South Caroline Street. Iid-Atlantic along a stalled front in associated with some of the arms of the	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt)
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it	Street at South Caroline Street. Id-Atlantic along a stalled front associated with some of the act as a sociated with some of the act as a socia	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	O0 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it	Street at South Caroline Street. Id-Atlantic along a stalled front associated with some of the act as a sociated with some of the act as a socia	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it	Street at South Caroline Street. Id-Atlantic along a stalled front associated with some of the act as a sociated with some of the act as a socia	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	O0 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it	Street at South Caroline Street. Id-Atlantic along a stalled front associated with some of the act as a second secon	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it MONTGOMERY COUNTY 1.4 ESE CLARK Branches were down due to thunderstorm wir	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the act and associated with some of the act and associated with some of the act as a stall associated with a stall associa	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it MONTGOMERY COUNTY 1.4 ESE CLARK Branches were down due to thunderstorm wir	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the act and associated with some of the act and associated with some of the act as a stall associated with a stall associa	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 1K 0	00 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official
Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rain as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it MONTGOMERY COUNTY 1.4 ESE CLARK Branches were down due to thunderstorm wir	a Street at South Caroline Street. Iid-Atlantic along a stalled front a associated with some of the act and associated with some of the act as a second associated with some of the act as a second associated with some of the act as a second associated with some of the act as a second as a second associated with some of the act as a second associated with some of the act as a second as a	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 0 0 1K 0 0 0	O0 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Flash flooding forced the closure of Aliceanna Low pressure drifted eastward across the M moist and unstable atmosphere. Heavy rair as high as 4.30 inches in Baltimore County. BALTIMORE COUNTY 0.3 SE PHOENIX [3] A tree was down at Phoenix and Carroll Road FREDERICK COUNTY 1.6 E MIDDLEPOIN A large Oak tree was split a few feet up from it MONTGOMERY COUNTY 1.4 ESE CLARK Branches were down due to thunderstorm wir BALTIMORE COUNTY 0.9 N FULLERTON A tree was down along Route 43 near the Bal	1 Street at South Caroline Street. 1 Street at South Caroline at Street. 1 Street at South Caroline at Street. 1 Street at South Caroline Street. 2 Street at South Caroline Street. 3 Street at South Caroline Street. 4 Street at South Caroline Street. 5 Street at South Caroline Street. 6 Street at South Caroline Street. 7 Street at Street at Street. 7 Street at Street at Street. 7 Street at Street at Street. 8 Street at Street at Street. 9 Stree	. Afternoon show	nearby reported 3. ers and thunderst h flooding. Obser 0 0 0 1K 0 1K	O0 inches of rain. orms erupted in a highly ved rainfall amounts were Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 61 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Trained Spotter

Page 17 of 33 Printed on: 02/06/2013

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARY'S, (MD-Z018) CALVERT				
	07/26/12 11:30 EST		0	Heat
	07/26/12 18:00 EST		0	
(MD-Z011) SOUTHERN BALTIMORE				
, , , , , , , , , , , , , , , , , , , ,	07/26/12 15:00 EST		0	Excessive Heat
	07/26/12 18:00 EST		0	
High pressure off the coast allowed for a ho	t and humid air mass to remain	over the Mid-Atla	ıntic.	
ALLEGANY COUNTY 4.4 WSW PINEY GR	OVE [39.68, -78.46]			
	07/26/12 19:00 EST		0	Thunderstorm Wind (EG 52 kt)
	07/26/12 19:00 EST		0	Source: State Official
A tree was down due to thunderstorm wind gu	ists.			
BALTIMORE COUNTY 0.7 ESE FOWBLES	BURG [39.55, -76.84]			
	07/26/12 20:08 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/26/12 20:08 EST		0	Source: State Official
A tree was down on route 30.				
BALTIMORE COUNTY 0.4 NE COCKEYSV	ILLE [39.4876.64]			
	07/26/12 20:40 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/26/12 20:40 EST		0	Source: State Official
A tree was down at Railroad Avenue and York	Road.			
HARFORD COUNTY 1.2 SSW BAGLEY [3:	9.48, -76.41]			
	07/26/12 20:59 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/26/12 20:59 EST		0	Source: Emergency Manager
A tree was down on Reckord Road between H	Harford Road and Bel Air Road.			
HARFORD COUNTY 0.6 N BENSON [39.5	1, -76.38]			
-	07/26/12 21:01 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/26/12 21:01 EST		0	Source: Emergency Manager
A tree was down at U.S. Route 1 and Harford	Road.			
A cold front passed through the area on the The cold front triggered showers and thund gusts.				
HARFORD COUNTY 1.0 NNE ABERDEEN	• • •			Thursday Law What (FO FC !)
	07/28/12 15:45 EST		0	Thunderstorm Wind (EG 52 kt)
A large limb was down along Plum Point Loop	07/28/12 15:45 EST		0	Source: Public
	· 			
CALVERT COUNTY 0.5 NNW CHANEYVIL			417	
	07/28/12 17:38 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/28/12 17:38 EST		0	Source: State Official
A tree was down along Chaneyville Road at S	outh Flint Hill Road.			
CALVERT COUNTY 1.5 NNE PARIS [38.72	2, -76.57]			
	07/28/12 17:39 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/28/12 17:39 EST		0	Source: State Official
A tree was down along Boyds Turn Road.				

Page 18 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ANNE ARUNDEL COUNTY 0.4 SE DRURY [38	.82, -76.69] 07/28/12 19:00 EST 07/28/12 19:00 EST		0	Hail (1.75 in) Source: Trained Spotter
Golf ball sized hail was reported near Upper Mark			Ü	Source. Trained oponer
PRINCE GEORGE'S COUNTY 0.5 E FORESTV	ILLE [38.83, -76.87] 07/28/12 19:17 EST		0	Thunderstorm Wind (MG 52 kt)
	07/28/12 19:17 EST		0	Source: AWOS

A wind gust of 60 mph was measured.

A cold front along with an upper-level trough moved into the area on the 28th. Showers and thunderstorms developed near the cold front. There was enough instability from cooler air aloft associated with the upper-level trough for thunderstorms to produce damaging wind gusts.

/IRGINIA, North		
AUGUSTA COUNTY 0.3 WSW AUGUSTA SPGS [38.10, -79.33]		
07/03/12 14:06 EST	0	Hail (1.00 in)
07/03/12 14:06 EST	0	Source: Public
Quarter sized hail was reported.		
REDERICK COUNTY 1.0 ESE GAINESBORO [39.28, -78.25]		
07/03/12 18:04 EST	1K	Thunderstorm Wind (EG 56 kt)
07/03/12 18:04 EST	0	Source: State Official
A tree was down along north Frederick Pike near Gainesboro.		
REDERICK COUNTY 1.6 NNW GAINESBORO [39.30, -78.28]		
07/03/12 18:06 EST	1K	Thunderstorm Wind (EG 56 kt)
07/03/12 18:06 EST	0	Source: State Official
A tree was down near north Frederick Pike and Ebenezer Church Road.		
FREDERICK COUNTY 1.0 SW GREEN SPG [39.29, -78.18]		
07/03/12 18:17 EST	1K	Thunderstorm Wind (EG 56 kt)
07/03/12 18:17 EST	0	Source: State Official
A tree was down at Cedar Grove Road and Mountain Laurel Lane.		
CLARKE COUNTY 1.0 S SWIMLEY [39.23, -78.00]		
07/03/12 18:39 EST	2K	Thunderstorm Wind (EG 61 kt)
07/03/12 18:39 EST	0	Source: Public
Trees were down along Old Charles Town Road.		
CLARKE COUNTY 1.9 S SWIMLEY [39.22, -78.00]		
07/03/12 18:40 EST	2K	Thunderstorm Wind (EG 61 kt)
07/03/12 18:40 EST	0	Source: Public
Trees were down along Withers Larue Road.		
OUDOUN COUNTY 0.6 NNW CLARKES GAP [39.14, -77.60]		
07/03/12 19:12 EST	1K	Thunderstorm Wind (EG 52 kt)
07/03/12 19:12 EST	0	Source: NWS Employee
A large limb was down along Harry Byrd Highway		
A large limb was down along Harry Byrd Highway.		

Page 19 of 33 Printed on: 02/06/2013

Deaths &

Injuries

Property &

Crop Dmg

Event Type and Details

Date/Time

Location

	NGE, (VA-Z051) CULPEPER, (VA-Z052) PRII SYLVANIA, (VA-Z057) KING GEORGE, (VA-Z	502) SOUTHERN FAUQ	UIER		
	07/04/12 12:00 EST	0	Heat		
	07/04/12 17:00 EST	0			
pper-level high pressure built overhea nd subsidence for hot and humid cond	d while surface high pressure moved off the itions.	e coast. A southerly flow	v combined with sunshine		
ALBEMARLE COUNTY 0.8 NW CROZ		0			
	07/04/12 15:45 EST 07/04/12 15:45 EST	0 0	Hail (1.00 in) Source: Trained Spotter		
	07/04/12 15:45 EST	U	Source: Trained Spotter		
Quarter sized hail was reported.					
LBEMARLE COUNTY 0.8 NW CROZ					
	07/04/12 15:45 EST	0	Thunderstorm Wind (EG 52 kt)		
	07/04/12 15:45 EST	0	Source: Public		
A large tree was down and heavy pool fur	niture was moved due to thunderstorm winds				
ALBEMARLE COUNTY 1.3 WNW CRO					
	07/04/12 15:45 EST	0	Hail (1.00 in)		
	07/04/12 15:45 EST	0	Source: Public		
Quarter sized hail was reported.					
NELSON COUNTY 0.3 SE AFTON [38.	03, -78.85]				
	07/04/12 16:23 EST	0	Hail (1.00 in)		
	07/04/12 16:23 EST	0	Source: Public		
Hail up to the size of quarters was reported	d.				
NELSON COUNTY 0.3 SE AFTON [38.	03, -78.85]				
	07/04/12 16:23 EST	0	Thunderstorm Wind (EG 52 kt)		
	07/04/12 16:23 EST	0	Source: Public		
Nind gusts were estimated to be around	60 mph.				
NELSON COUNTY 1.1 SSE LOVINGS	FON [37.76, -78.87]				
	07/04/12 17:34 EST	1K	Thunderstorm Wind (EG 56 kt)		
	07/04/12 17:34 EST	0	Source: State Official		
A tree was down near James River Road	and Front Street.				
NELSON COUNTY SHIPMAN [37.72, -	78.85]				
	07/04/12 17:43 EST	0	Thunderstorm Wind (EG 56 kt)		
	07/04/12 17:43 EST	0	Source: State Official		
rees were down near James River Road	and Oak Ridge Road.				
FREDERICK COUNTY 1.9 NE WHITAG	CRE [39.35, -78.31]				
	07/04/12 19:50 EST	1K	Thunderstorm Wind (EG 61 kt)		
	07/04/12 19:50 EST	0	Source: Trained Spotter		
Multiple trees were down near North Fred					

Page 20 of 33 Printed on: 02/06/2013

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/12 20:54 EST		0	Thunderstorm Wind (EG 52 kt)
	07/04/12 20:54 EST		0	Source: State Official
A tree was down near Grove Lane near As	shville due to strong thunderstorm winds	S.		
FAUQUIER COUNTY 2.2 SSW DELAPI				Thursdaystage Wind (FO FO IA)
	07/04/12 20:55 EST 07/04/12 20:55 EST		0	Thunderstorm Wind (EG 52 kt) Source: State Official
	07/04/12 20:33 E31		U	Source. State Official
A tree was down along Cobbler Mountain	Road near Ashville.			
FAUQUIER COUNTY 0.4 SE MARSHAI	LL [38.87, -77.84] 07/04/12 21:01 EST		1K	Thundaratorm Wind (EC 52 kt)
	07/04/12 21:01 EST		0	Thunderstorm Wind (EG 52 kt) Source: State Official
A tree was down near East Main Street ar			ŭ	
LOUDOUN COUNTY 0.7 WNW MIDDLE	EBURG (38.9777.78)			
	07/04/12 21:04 EST		0	Thunderstorm Wind (EG 52 kt)
	07/04/12 21:04 EST		0	Source: Trained Spotter
A tree limb was down.				
FAUQUIER COUNTY 2.0 ESE BETHEL	-			
	07/04/12 21:31 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/04/12 21:31 EST		0	Source: State Official
A trees was down across Airlie Road north	n of Warrenton.			
FAUQUIER COUNTY 1.6 NE MEETZE	-		417	Thursdorstorm Wind (FO 50 Lt)
FAUQUIER COUNTY 1.6 NE MEETZE	07/04/12 21:35 EST		1K	Thunderstorm Wind (EG 52 kt)
FAUQUIER COUNTY 1.6 NE MEETZE	-		1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official
	07/04/12 21:35 EST 07/04/12 21:35 EST			
A tree was down near Old Auburn Road a An upper-level disturbance passed throu	07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts	-	0 combined with force	Source: State Official
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel	07/04/12 21:35 EST 07/04/12 21:35 EST nd Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30]	maging wind g	0 combined with forc gusts and large ha	Source: State Official sing from the disturbance iil.
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel	07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST	maging wind g	0 combined with forc gusts and large ha	Source: State Official cing from the disturbance iil. Thunderstorm Wind (MG 53 kt)
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel	07/04/12 21:35 EST 07/04/12 21:35 EST nd Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30]	maging wind g	0 combined with forc gusts and large ha	Source: State Official sing from the disturbance iil.
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel PRINCE WILLIAM COUNTY 0.8 NNW (07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST	maging wind g	0 combined with forc gusts and large ha	Source: State Official cing from the disturbance iil. Thunderstorm Wind (MG 53 kt)
A tree was down near Old Auburn Road a An upper-level disturbance passed through the showers and thunderstorms to develope PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 61 mph was measured at C	07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST	nmaging wind g	0 combined with forc gusts and large ha	Source: State Official cing from the disturbance iil. Thunderstorm Wind (MG 53 kt) Source: AWOS
A tree was down near Old Auburn Road a An upper-level disturbance passed through the showers and thunderstorms to develope PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 61 mph was measured at C	07/04/12 21:35 EST 07/04/12 21:35 EST nd Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST Quantico.	nmaging wind g	0 combined with forci gusts and large ha 0 0	Source: State Official cing from the disturbance iil. Thunderstorm Wind (MG 53 kt)
FAUQUIER COUNTY 1.6 NE MEETZE A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 61 mph was measured at C PRINCE WILLIAM COUNTY 0.8 NNW (07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST Quantico. NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 02:02 EST 07/05/12 02:02 EST	nmaging wind g	ombined with force gusts and large hare 0	Source: State Official cing from the disturbance il. Thunderstorm Wind (MG 53 kt) Source: AWOS Thunderstorm Wind (MG 59 kt)
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 61 mph was measured at C PRINCE WILLIAM COUNTY 0.8 NNW (07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST Quantico. NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 02:02 EST 07/05/12 02:02 EST	nmaging wind g	0 combined with force gusts and large ha 0 0 0	Source: State Official cing from the disturbance ill. Thunderstorm Wind (MG 53 kt) Source: AWOS Thunderstorm Wind (MG 59 kt) Source: AWOS
A tree was down near Old Auburn Road a An upper-level disturbance passed through the showers and thunderstorms to develope the showers and the showers are shown to show the	07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST Quantico. NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 02:02 EST 07/05/12 02:02 EST	nmaging wind g	ombined with force gusts and large has 0 0 0	Source: State Official cing from the disturbance ill. Thunderstorm Wind (MG 53 kt) Source: AWOS Thunderstorm Wind (MG 59 kt) Source: AWOS
A tree was down near Old Auburn Road a An upper-level disturbance passed throu for showers and thunderstorms to devel PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 61 mph was measured at C PRINCE WILLIAM COUNTY 0.8 NNW (A wind gust of 68 mph was measured at C An upper-level disturbance combined withunderstorms produced damaging wind (VA-Z037) ALBEMARLE, (VA-Z050) ORAL	07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST Quantico. NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 02:02 EST 07/05/12 02:02 EST 07/05/12 02:02 EST	umaging wind g	ombined with force gusts and large has 0 0 0 erstorms during the	Source: State Official cing from the disturbance il. Thunderstorm Wind (MG 53 kt) Source: AWOS Thunderstorm Wind (MG 59 kt) Source: AWOS the 5th. A couple
A tree was down near Old Auburn Road a An upper-level disturbance passed through the showers and thunderstorms to develope the showers and thunderstorms to develope the shower than the show	07/04/12 21:35 EST 07/04/12 21:35 EST 07/04/12 21:35 EST and Twin Polar Lane. ugh the area on the 4th. High amounts lop. Some thunderstorms produced da NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 01:53 EST 07/05/12 01:53 EST Quantico. NYG)MCAS QUANTICO [38.51, -77.30] 07/05/12 02:02 EST 07/05/12 02:02 EST 07/05/12 02:02 EST	umaging wind g	ombined with force gusts and large has 0 0 0 erstorms during the	Source: State Official cing from the disturbance il. Thunderstorm Wind (MG 53 kt) Source: AWOS Thunderstorm Wind (MG 59 kt) Source: AWOS the 5th. A couple

(VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z050) ORANGE

Page 21 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	07/06/12 14:00 EST	•	0	Heat	
	07/06/12 18:00 EST		0		
Jpper-level high provided subsidence over Hot and humid conditions caused high hea		around high press	ure over the Atlar	ntic caused high humidity.	
(VA-Z027) SHENANDOAH, (VA-Z028) FREDI	ERICK, (VA-Z030) WARREN, (VA	-Z031) CLARKE			
	07/07/12 14:00 EST		0	Heat	
	07/07/12 17:00 EST		0		
VA-Z052) PRINCE WILLIAM, (VA-Z055) STA		3E			
	07/08/12 11:00 EST		0	Excessive Heat	
	07/08/12 13:00 EST		0		
Upper-level high pressure built overhead w and subsidence for hot and humid conditio	= :	ed off the coast. A	southerly flow co	mbined with sunshine	
(VA-Z036) NELSON, (VA-Z037) ALBEMARLE CULPEPER, (VA-Z052) PRINCE WILLIAM, (V		· · · · · · · · · · · · · · · · · · ·			
(VA-Z057) KING GEORGE, (VA-Z502) SOUTI		, (,, (,	
	07/08/12 10:00 EST		0	Heat	
	07/08/12 17:00 EST		0		
Upper-level high pressure built overhead w and subsidence for hot and humid conditio	= :	d off the coast. A	southerly flow co	mbined with sunshine	
OUDOUN COUNTY ASSURE OF A TIME					
LUUUUUN CUUN I Y 0.8 NNE CLARKES (GAP 139.1477.591				
LOUDOUN COUNTY 0.8 NNE CLARKES (3AP [39.14, -77.59] 07/08/12 14:05 EST		1K	Thunderstorm Wind (EG 52 kt)	
LOUDOUN COUNTY 0.8 NNE CLARKES (1K 0	Thunderstorm Wind (EG 52 kt) Source: Public	
Trees were down and heavy decorative Urn v	07/08/12 14:05 EST 07/08/12 14:05 EST was blown over.			· · · ·	
Trees were down and heavy decorative Urn v	07/08/12 14:05 EST 07/08/12 14:05 EST was blown over. 39.04, -77.97]		0	Source: Public	
Trees were down and heavy decorative Urn v	07/08/12 14:05 EST 07/08/12 14:05 EST was blown over. 39.04, -77.97] 07/08/12 14:31 EST		0 1K	Source: Public Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v	07/08/12 14:05 EST 07/08/12 14:05 EST was blown over. 39.04, -77.97]		0	Source: Public	
Trees were down and heavy decorative Urn v	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST		0 1K	Source: Public Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road.		0 1K	Source: Public Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road.		0 1K	Source: Public Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road.		1K 0	Source: Public Thunderstorm Wind (EG 52 kt) Source: State Official	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST		1K 0	Source: Public Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD (3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane.		1K 0	Source: Public Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt)	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD (3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane.		0 1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD (3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST		0 1K 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official	
Trees were down and heavy decorative Urn volume CLARKE COUNTY 4.0 ESE MILLWOOD (SET A tree was down on the 1000 Block of Mt. Case FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 near FREDERICK COUNTY 1.2 WSW EBENEZ	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST		0 1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST		0 1K 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line.		0 1K 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line. NE [38.89, -77.93] 07/08/12 14:48 EST		0 1K 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line.		0 1K 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	
Trees were down and heavy decorative Urn volume CLARKE COUNTY 4.0 ESE MILLWOOD [3] A tree was down on the 1000 Block of Mt. Cappare tree limbs were down on Route 50 near the Cappare was down on US Highway 50 near the FAUQUIER COUNTY 2.5 SSW DELAPLAN	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line. NE [38.89, -77.93] 07/08/12 14:48 EST 07/08/12 14:48 EST	ds Marshall.	0 1K 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the FAUQUIER COUNTY 2.5 SSW DELAPLAN Numerouys trees and power lines were down	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line. NE [38.89, -77.93] 07/08/12 14:48 EST 07/08/12 14:48 EST in the Delaplane area and toward	ds Marshall.	0 1K 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the FAUQUIER COUNTY 2.5 SSW DELAPLAN Numerouys trees and power lines were down	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line. NE [38.89, -77.93] 07/08/12 14:48 EST 07/08/12 14:48 EST in the Delaplane area and toward	ds Marshall.	0 1K 0 0 1K 0 5K 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager Thunderstorm Wind (EG 52 kt) Source: Trained Spotter	
Trees were down and heavy decorative Urn v CLARKE COUNTY 4.0 ESE MILLWOOD [3 A tree was down on the 1000 Block of Mt. Ca FAUQUIER COUNTY 1.0 SE UPPERVILLE Large tree limbs were down on Route 50 nea FREDERICK COUNTY 1.2 WSW EBENEZ A tree was down on US Highway 50 near the FAUQUIER COUNTY 2.5 SSW DELAPLAN	07/08/12 14:05 EST 07/08/12 14:05 EST vas blown over. 39.04, -77.97] 07/08/12 14:31 EST 07/08/12 14:31 EST armel Road. E [38.99, -77.87] 07/08/12 14:38 EST 07/08/12 14:38 EST r Horsefields Lane. ER [39.29, -78.37] 07/08/12 14:44 EST 07/08/12 14:44 EST West Virginia state line. NE [38.89, -77.93] 07/08/12 14:48 EST 07/08/12 14:48 EST in the Delaplane area and toward	ds Marshall.	0 1K 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: State Official Thunderstorm Wind (EG 52 kt) Source: Emergency Manager	

Page 22 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
AUGUSTA COUNTY 1.1 SSE GROTTOES [38.26	=		11/	Thundaratory Wind /EC 52 lt)
	07/08/12 15:02 EST 07/08/12 15:02 EST		1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official
A tree was blocking the road on East Side Highway.			U	Source. State Official
FAUQUIER COUNTY 1.1 NE CRESTHILL [38.78,	77 001			
FAUQUIER COUNTY 1.1 NE CRESTRILL [30.76,	07/08/12 15:11 EST		0	Hail (1.00 in)
	07/08/12 15:11 EST		0	Source: Public
Quarter sized hail was reported.				
FAUQUIER COUNTY 1.1 NE CRESTHILL [38.78,	-77.99]			
	07/08/12 15:11 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/08/12 15:11 EST		0	Source: Public
Trees were down near Leeds Manor Road and Cres	t Hill Road.			
FAUQUIER COUNTY 2.0 SSE HUME [38.80, -77.	-			
	07/08/12 15:15 EST		0	Hail (1.75 in)
	07/08/12 15:15 EST		0	Source: Public
Golf ball sized hail was reported near Cresthill.				
FAUQUIER COUNTY 2.0 SSE OLD TAVERN [38.			FIV.	Thursdoorboom Wind (FO FO IA)
	07/08/12 15:15 EST 07/08/12 15:15 EST		5K 0	Thunderstorm Wind (EG 56 kt) Source: Public
Dozens of trees and large limbs were down on prope		d.	· ·	Course. 1 abile
RAPPAHANNOCK COUNTY 4.7 E FLINT HILL [3	8 78 -78 031			
	07/08/12 15:21 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:21 EST		0	Source: State Official
A tree was down across North Poes Road.				
FAIRFAX COUNTY 0.6 NE TREMONT [38.86, -77	-			
	07/08/12 15:22 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:22 EST		0	Source: Department of Highways
A tree was down.				
FAIRFAX COUNTY 1.3 ESE ILDA [38.82, -77.23]	07/08/12 15:22 EST		10K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:22 EST		0	Source: Emergency Manager
A large tree fell onto a house on Toll House Road.			-	· · · · · · · · · · · · · · · · · · ·
FAUQUIER COUNTY 2.0 SSE HUME [38.80, -77.	-		2K	Thunderstorm Wind (EC 56 kt)
	07/08/12 15:22 EST 07/08/12 15:22 EST		2K 0	Thunderstorm Wind (EG 56 kt) Source: Public
Dozens of trees and large limbs were down on prope		d.	Č	233.30.1 45110
DADDALIANINOOK OOUNTY OO WIT TO	IE 100 75 70 00			
RAPPAHANNOCK COUNTY 2.2 NNE BEU VENU	E [38.75, -78.06] 07/08/12 15:28 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:28 EST		0	Source: State Official
A tree was down over Grimsley Road.				

FAIRFAX COUNTY --- 0.7 WSW SPRINGFIELD ESTATES [38.77, -77.19]

Page 23 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/08/12 15:30 EST		15K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:30 EST		0	Source: Emergency Manager
A large tree fell onto a house and a car.				
CULPEPER COUNTY 0.7 S CULPEPER [3	38.47, -78.00] 07/08/12 15:32 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:32 EST		0	Source: State Official
T			·	
Trees were down due to thunderstorm winds.				
RAPPAHANNOCK COUNTY 2.4 NE PEOL				
	07/08/12 15:32 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:32 EST		0	Source: State Official
A tree was blocking Route 231 near the Madi	ison County Line.			
ALBEMARLE COUNTY 0.2 SSE DOYLES	VILLE [38.15, -78.67]			
	07/08/12 15:35 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:35 EST		0	Source: State Official
Several trees were down along Browns Gap	Turnpike.			
RAPPAHANNOCK COUNTY 0.9 NNE BEU	J VENUE [38.73, -78.07]			
	07/08/12 15:35 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:35 EST		0	Source: State Official
Trees were down on Ben Venue Road.				
PRINCE WILLIAM COUNTY 0.8 E GREEN	WICH [38.75, -77.63]			
	07/08/12 15:37 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:37 EST		0	Source: Department of Highways
A large tree was down on the road.				
AUGUSTA COUNTY 2.1 SSE DOOMS [38	.09, -78.85]			
	07/08/12 15:39 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:39 EST		0	Source: State Official
A tree was down on Sandy Ridge road and a	tree fell into power lines on Door	ns Crossing Road.		
STAFFORD COUNTY 1.7 WSW ROSEVIL				
	07/08/12 15:47 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:47 EST		0	Source: State Official
A tree was down on Poplar Road.				
ALBEMARLE COUNTY 1.1 NNE IVY [38.0	06, -78.59]			
	07/08/12 15:53 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:53 EST		0	Source: State Official
Numerous trees were down between the 100	0 and 1500 block of Owensville F	Road.		
PRINCE WILLIAM COUNTY 1.8 NNW MIN	NIEVILLE [38.66, -77.36]			
	07/08/12 15:53 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:53 EST		0	Source: Department of Highways
Trees were down.				
PRINCE WILLIAM COUNTY 0.9 E BETHE	L [38.65, -77.30]			
	07/08/12 15:58 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:58 EST		0	Source: Public

Page 24 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees were down on the Prince William Cou	ınty Parkway near Smoketown Roa	ad.		
RAPPAHANNOCK COUNTY 1.8 NE LAU				
	07/08/12 16:01 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 16:01 EST		0	Source: State Official
A tree was down along Richmond Road.				
WINCHESTER (C) COUNTY 3.2 NNE WII	NCHESTER [39.17, -78.16]			
	07/08/12 16:05 EST		0	Hail (1.00 in)
	07/08/12 16:05 EST		0	Source: Public
Quarter sized hail was reported.				
CLARKE COUNTY 3.6 NNW BOYCE [39	45 79 071			
CLARKE COUNTY 3.0 NAW BOTCE [39	07/08/12 16:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 16:10 EST		0	Source: State Official
			-	
A tree was down at Salem Church Road and	d Senseny Road.			
RAPPAHANNOCK COUNTY 0.8 SSE LA				
	07/08/12 16:10 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/08/12 16:10 EST		0	Source: State Official
Two trees were down along Laurel Mills Roa	ad.			
CLARKE COUNTY 4.3 NW BERRYVILLE	 ≣ [39.19, -78.03]			
	07/08/12 16:16 EST		0	Hail (1.00 in)
	07/08/12 16:16 EST		0	Source: Amateur Radio
Quarter sized hail was reported.				
ALBEMARLE COUNTY 1.0 NNE NORTH			412	Thursday Area (FO FO II)
	07/08/12 16:18 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/08/12 16:18 EST		0	Source: State Official
Trees were down on Plank road and Edge \	/alley Road.			
CLARKE COUNTY 1.2 WNW BERRYVIL	LE [39.16, -77.99]			
	07/08/12 16:18 EST		0	Hail (1.00 in)
	07/08/12 16:18 EST		0	Source: Trained Spotter
Quarter sized hail was reported.				
SPOTSYLVANIA COUNTY 0.9 SW CONG	CORD HGTS [38 26 -77 40]			
SI SISILVANIA COUNTY 0.3 SVV CONC	07/08/12 16:20 EST		0	Thunderstorm Wind (EG 70 kt)
	07/08/12 16:20 EST	7	0	Source: NWS Storm Survey
A microburst with 80 mph westerly winds too Route 1, a roof was torn off a gym and the v	_		rg. On Fleming Stre	eet between Lafayette Boulevard and
SPOTSYLVANIA COUNTY 1.0 SE FIVE I	MILE [38.27, -77.54]			
	07/08/12 16:23 EST		0	Hail (1.00 in)
	07/08/12 16:23 EST		0	Source: Amateur Radio
Quarter sized hail was reported.				
ODOTOVI VANIA GOLINITY ASSOCIATION	00DD H0T0 M0 00 77 403			
SPOTSYLVANIA COUNTY 0.9 SW CONG	CORD HGTS [38.26, -77.49] 07/08/12 16:25 EST		0	Hail (1.75 in)
	07/08/12 16:25 EST		0	Source: Public
	07/00/12 10.20 E31		U	Gource. Fublic

Golf ball sized hail was reported.

Page 25 of 33 Printed on: 02/06/2013

	Injuries	Crop Dmg	
		FIZ.	Thursdoordoor Mind (FO C4 Lt)
			Thunderstorm Wind (EG 61 kt) Source: Broadcast Media
		U	Source. Broaucast Media
OTED ADDT 100 45 TO 451			
07/08/12 16:27 EST		1K	Thunderstorm Wind (EG 52 kt)
07/08/12 16:27 EST		0	Source: Emergency Manager
ory Road and Sensory Glen Drive.			
NCHESTER [39.17, -78.16]			
07/08/12 16:27 EST		0	Thunderstorm Wind (EG 52 kt)
07/08/12 16:27 EST		0	Source: Emergency Manager
- · · ·		0	Hail (1 00 ia)
			Hail (1.00 in) Source: CoCoRaHS
57750/12 10.20 LS1		v	Source. Societatio
		•	U 11 (4 00 i)
			Hail (1.00 in) Source: Trained Spotter
07700712 10.29 231		U	Source. Trailled Spotter
MI E EORK (38 25 -77 46)			
07/08/12 16:32 EST		0	Hail (1.50 in)
07/08/12 16:32 EST		0	Source: Public
V POST [38.24, -77.41]			
07/08/12 16:36 EST		0	Hail (1.25 in)
07/08/12 16:36 EST		0	Source: Amateur Radio
		417	Thursdoordoon Min 1/50 50 LD
			Thunderstorm Wind (EG 52 kt) Source: State Official
555/12 1500 201		Č	
MS [39 15 -78 36]			
07/08/12 22:13 EST		0	Thunderstorm Wind (EG 52 kt)
07/08/12 22:13 EST		0	Source: Public
92, -78.28]			
07/08/12 22:44 EST		1K	Thunderstorm Wind (EG 52 kt)
07/08/12 22:44 EST		0	Source: Public
prooted nearby.			
	07/08/12 16:27 EST Ory Road and Sensory Glen Drive. NCHESTER [39.17, -78.16] 07/08/12 16:27 EST 07/08/12 16:27 EST VELLS [38.23, -77.51] 07/08/12 16:28 EST 07/08/12 16:29 EST 07/08/12 16:29 EST 07/08/12 16:32 EST 07/08/12 16:32 EST V POST [38.24, -77.46] 07/08/12 16:36 EST 07/08/12 16:36 EST 07/08/12 16:50 EST 07/08/12 16:50 EST 07/08/12 22:13 EST 07/08/12 22:13 EST	07/08/12 16:25 EST 07/08/12 16:25 EST and Harrison Road. STER ARPT [39.15, -78.15] 07/08/12 16:27 EST 07/08/12 16:27 EST ory Road and Sensory Glen Drive. NCHESTER [39.17, -78.16] 07/08/12 16:27 EST 07/08/12 16:27 EST 07/08/12 16:28 EST 07/08/12 16:28 EST 07/08/12 16:29 EST MILE FORK [38.25, -77.46] 07/08/12 16:32 EST 07/08/12 16:32 EST VPOST [38.24, -77.41] 07/08/12 16:36 EST 07/08/12 16:36 EST 07/08/12 16:50 EST MS [39.15, -78.36] 07/08/12 16:50 EST 07/08/12 16:50 EST 07/08/12 22:13 EST 07/08/12 22:13 EST	07/08/12 16:25 EST

Page 26 of 33 Printed on: 02/06/2013

A cold front passed through the area on the 8th. High heat and humidity ahead of the boundary causes instability combined with forcing from the front, causing thunderstorms to produce damaging winds it instability combined with forcing from the front, causing thunderstorms to produce damaging winds it instability combined with forcing from the front, causing thunderstorms to produce damaging winds it instability combined with forcing from the front, causing thunderstorms to produce damaging winds it is a cold front with the western subarbs of Washington DE to induce an isolated flash flood in Force of the function of the produce of the western subarbs of Washington DC to induce an isolated flash flood in Force of the function of the western subarbs of Washington DC to induce an isolated flash flood in Force of the function of the western subarbs of Washington DC to induce an isolated flash flood in Force of the function of the f	rge hail.
AUQUIER COUNTY 0.8 SSE TURNBULL [38.67, -77.84] 07/09/12 00:07 EST 07/09/12 00:07 EST 0 0 dumerous trees were down due to thunderstorm winds. Cold front passed through the area on the 8th. High heat and humidity ahead of the boundary cause instability combined with forcing from the front, causing thunderstorms to produce damaging winds to cold front passed through the area on the 8th. High heat and humidity ahead of the boundary cause instability combined with forcing from the front, causing thunderstorms to produce damaging winds to cold front passed through the Allantic Tiss.93, -77.22], 0.2 NNW MC LEAN HAMLET [38.93, -77.29] 07/10/12 19:00 EST 0 7/10/12 21:00 EST 0 7/10/12 21:00 EST 0 0 00 EST 0 0 00 Fill Road near the Spring Hill Road exit. Cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms alo ates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fif up to 2.84 inches. IARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, -9 SSW HARRISONBURG [38.44, -78.88] 07/14/12 18:00 EST 0 00tball field of James Madison University and adjacent campus were inundated by flash flooding. IARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.89, 2.1 SSE HARRISONBURG [38.42, -78.86] 07/14/12 18:00 EST 0 00tball field of James Madison University and adjacent campus were inundated by flash flooding. IARRISONBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSBURG [38.28, -77.48], 0.9 SSE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47], 0.7 H4/12 19:00 EST 0 07/14/12 19:0	Thunderstorm Wind (EG 56 kt) Source: Public If plenty of instability. The high large hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
AUQUIER COUNTY 0.8 SSE TURNBULL [38.67, -77.84] 07/09/12 00:07 EST 0 cumerous trees were down due to thunderstorm winds. 1. cold front passed through the area on the 8th. High heat and humidity ahead of the boundary cause istability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front, causing thunderstorms to produce damaging winds is instability combined with forcing from the front graph of the first produce of the Dulles Toll Road near the Spring Hill Road exit. 1. cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms aloutes. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fif up to 2.84 inches. 1. ARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, -9 SSW HARRISONBURG [38.44, -78.88] 1. Or/14/12 16:00 EST 1. Or/14/12 18:00 EST 1. Or/14/12 19:00 EST 1. Or/14/12 1	Source: Public d plenty of instability. The high urge hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
O7/09/12 00:07 EST 2K 07/09/12 00:07 EST 0 umerous trees were down due to thunderstorm winds. cold front passed through the area on the 8th. High heat and humidity ahead of the boundary causes istability combined with forcing from the front, causing thunderstorms to produce damaging winds is a large of the stability combined with forcing from the front, causing thunderstorms to produce damaging winds is a large of the stability combined with forcing from the front, causing thunderstorms to produce damaging winds is a large of the stability combined with forcing from the front, causing thunderstorms to produce damaging winds is a large of the stability combined with forcing from the front from the stability combined with forcing from the figure of the stability of the stabilit	Source: Public If plenty of instability. The high urge hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
tumerous trees were down due to thunderstorm winds. 1. cold front passed through the area on the 8th. High heat and humidity ahead of the boundary causes istability combined with forcing from the front, causing thunderstorms to produce damaging winds is istability combined with forcing from the front, causing thunderstorms to produce damaging winds is istability combined with forcing from the front, causing thunderstorms to produce damaging winds is istability combined with forcing from the front, causing thunderstorms to produce damaging winds is istability combined with forcing from the front, causing thunderstorms to produce damaging winds is in the case of the case	Source: Public If plenty of instability. The high large hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
A cold front passed through the area on the 8th. High heat and humidity ahead of the boundary causer instability combined with forcing from the front, causing thunderstorms to produce damaging winds to instability combined with forcing from the front, causing thunderstorms to produce damaging winds to instability combined with forcing from the front, causing thunderstorms to produce damaging winds to instability combined with forcing from the front, causing thunderstorms to produce damaging winds to instability combined with forcing from the front, causing thunderstorms to produce damaging winds to instability combined with forcing from the front, causing thunderstorms to produce an instability combined with forcing from the front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms alo ates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fif up to 2.84 inches. IARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, -9.9 SSW HARRISONBURG [38.44, -78.88] O7/14/12 16:00 EST O 07/14/12 18:00 EST O 07/14/12 19:00 EST	I plenty of instability. The high urge hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
0.9 WNW LEWINSVILLE [38.94, -77.21] 07/10/12 19:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/10/12 21:00 EST 0 0 07/14/12 16:00 EST 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 0 EST 0 0 EST 0 0 EST 0 0 EST 0 0 0 EST	rige hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
AIRFAX COUNTY 0.5 E MC LEAN HAMLET [38.93, -77.22], 0.2 NNW MC LEAN HAMLET [38.93, -77.22], 9.2 NNW MC LEAN HAMLET [38.93, -77.22], 9.2 NNW MC LEAN HAMLET [38.93, -77.22], 9.2 NNW MC LEAN HAMLET [38.93, -77.23], 9.2 NNW MC LEAN HAMLET [38.94, -77.21] 107/10/12 19:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 07/10/12 21:00 EST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rige hail. 3], 0.4 N MC LEAN HAMLET [38.94, -77.23], Flash Flood (due to Heavy Rain)
O7/10/12 21:00 EST 0 Flash Flooding occurred on the Dulles Toll Road near the Spring Hill Road exit. A cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms aloates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fof up to 2.84 inches. HARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, 0.9 SSW HARRISONBURG [38.44, -78.88] O7/14/12 16:00 EST 0 O7/14/12 18:00 EST 0 Football field of James Madison University and adjacent campus were inundated by flash flooding. HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] O7/14/12 16:00 EST 0 O7/14/12 18:00 EST 0 O7/14/12 18:00 EST 0 O7/14/12 19:00 EST 0 Fredericksburg (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 19:00 EST 0 O7/14/12 19:00 EST 0	Flash Flood (due to Heavy Rain)
07/10/12 19:00 EST 0 07/10/12 21:00 EST 0 07/10/12 10:00 EST 3 07/10/12 10:00 EST 3 07/10/12 10:00 EST 0 07/10/12	
Flash Flooding occurred on the Dulles Toll Road near the Spring Hill Road exit. A cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms alorates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fof up to 2.84 inches. HARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, -0.9 SSW HARRISONBURG [38.44, -78.88] 07/14/12 16:00 EST 07/14/12 18:00 EST 0 07/14/12 18:00 EST 0 07/14/12 18:00 EST 0 07/14/12 18:00 EST 0 07/14/12 16:00 EST 0 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 07/14/12 19:00 EST 0 07/14/12 17:00 EST 0 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 0 07/14/12 19:00 EST	Source: Broadcast Media
A cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms aloued ates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in Fof up to 2.84 inches. **HARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, 3.9 SSW HARRISONBURG [38.44, -78.88] **O7/14/12 16:00 EST	
A cold front move through the Mid-Atlantic during the evening hours. Showers and thunderstorms alo rates. Enough rain fell in the western suburbs of Washington DC to induce an isolated flash flood in F of up to 2.84 inches. **HARRISONBURG (C) COUNTY 0.7 S HARRISONBURG [38.44, -78.87], 1.1 S HARRISONBURG [38.43, 0.9 SSW HARRISONBURG [38.44, -78.88] 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 0 **Tootball field of James Madison University and adjacent campus were inundated by flash flooding.** **HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 07/14/12 18:00 EST 0 0 07/14/12 18:00 EST 0 0 07/14/12 19:00 EST 0 0 07/14/12 17:00 EST 0 0 07/14/12 19:00 EST	
Football field of James Madison University and adjacent campus were inundated by flash flooding. HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [-78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] 07/14/12 16:00 EST 07/14/12 18:00 EST 0 Two vehicles were submerged to depth of windows with occupants trapped on Reservoir Street at Lucky D FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSFREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0	
0.9 SSW HARRISONBURG [38.44, -78.88] 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 0 Football field of James Madison University and adjacent campus were inundated by flash flooding. HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 Two vehicles were submerged to depth of windows with occupants trapped on Reservoir Street at Lucky D FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSFREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0	airfax County from rainfall amounts
O7/14/12 18:00 EST 0 Football field of James Madison University and adjacent campus were inundated by flash flooding. HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] O7/14/12 16:00 EST 0 O7/14/12 18:00 EST 0 O7/14/12 18:00 EST 0 FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] O7/14/12 17:00 EST 0 O7/14/12 19:00 EST 0 O7/14/12 19:00 EST 0 FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] O7/14/12 19:25 EST 0 O7/14/12 19:25 EST 0	
Football field of James Madison University and adjacent campus were inundated by flash flooding. HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] 07/14/12 16:00 EST 07/14/12 18:00 EST 0 Two vehicles were submerged to depth of windows with occupants trapped on Reservoir Street at Lucky D FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKSFREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	Flash Flood (due to Heavy Rain) Source: Public
HARRISONBURG (C) COUNTY 2.1 SSE HARRISONBURG [38.42, -78.86], 2.0 SSE HARRISONBURG [78.85], 2.1 SSE HARRISONBURG [38.42, -78.85] 07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 0 07/14/12 18:00 EST 0 0 07/14/12 18:00 EST 0 0 0 07/14/12 18:00 EST 0 0 0 0 07/14/12 18:00 EST 0 0 0 0 0 0 0 0 0 0 0 0 0	Course. I abile
07/14/12 16:00 EST 0 07/14/12 18:00 EST 0 Two vehicles were submerged to depth of windows with occupants trapped on Reservoir Street at Lucky D FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKS FREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB 38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	38.42, -78.86], 2.0 SSE HARRISONBURG [38.42,
FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKS FREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSBURG [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	Flash Flood (due to Heavy Rain)
FREDERICKSBURG (C) COUNTY 1.7 SSW FREDERICKSBURG [38.28, -77.48], 1.6 SSW FREDERICKS FREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB 38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	Source: State Official
### FREDERICKSBURG [38.28, -77.48], 1.5 SSW FREDERICKSBURG [38.28, -77.48] 07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. ###################################	ive.
07/14/12 17:00 EST 0 07/14/12 19:00 EST 0 07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	BBURG [38.28, -77.48], 1.5 SSW
07/14/12 19:00 EST 0 Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB 38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	Floch Flood (due to Hoovy Pain)
Flash flooding forced the closure of the 200 block of Wilderness Lane. FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	Flash Flood (due to Heavy Rain) Source: State Official
FREDERICKSBURG (C) COUNTY 0.8 SE FREDERICKSBURG [38.29, -77.46], 0.9 SSE FREDERICKSB [38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	odurce. State Official
38.29, -77.47], 0.6 S FREDERICKSBURG [38.29, -77.47] 07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	
07/14/12 17:25 EST 0 07/14/12 19:25 EST 0	
07/14/12 19:25 EST 0	JRG [38.29, -77.46], 0.7 SSW FREDERICKSBURG
lash flooding forced the closure of the 900 block of Blue Grey Parkway.	URG [38.29, -77.46], 0.7 SSW FREDERICKSBURG Flash Flood (due to Heavy Rain) Source: State Official
	Flash Flood (due to Heavy Rain)
FREDERICKSBURG (C) COUNTY 1.1 NNW FREDERICKSBURG ARPT [38.29, -77.45], 1.1 NNW FRED	Flash Flood (due to Heavy Rain)
FREDERICKSBURG [38.29, -77.46], 1.1 SE FREDERICKSBURG [38.29, -77.46] 07/14/12 17:25 EST 0	Flash Flood (due to Heavy Rain) Source: State Official
07/14/12 17:25 EST 0	Flash Flood (due to Heavy Rain) Source: State Official ERICKSBURG ARPT [38.28, -77.46], 1.1 SE
37717712 10.20 E01	Flash Flood (due to Heavy Rain) Source: State Official

SPOTSYLVANIA COUNTY --- 0.9 ESE CONCORD HGTS [38.27, -77.46], 1.0 ESE CONCORD HGTS [38.27, -77.46], 1.0 SE CONCORD HGTS [38.26,

-77.47], 0.9 SE CONCORD HGTS [38.26, -77.47]

Page 27 of 33 Printed on: 02/06/2013

		Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	07/14/12 17:30 EST		0	Flash Flood (due to Heavy Rain)	
	07/14/12 19:30 EST		0	Source: State Official	
Flash flooding forced the closure of Lansdo	wne Road.				
A slow moving warm front was located ac north of this feature. A very warm and mo rates with slow storm motion. Flash flood	oist atmosphere along with light w				
CULPEPER COUNTY 1.0 SSW RICHAR			417	Thursday days March (FQ FQ II)	
	07/15/12 15:56 EST 07/15/12 15:56 EST		1K 0	Thunderstorm Wind (EG 52 kt) Source: State Official	
A tree was down along Halls Road.	07710/12 10:00 E01		Ü	Course. State Official	
A tree was down along Halls Road.					
SPOTSYLVANIA COUNTY 2.4 WSW BE	ELMONT [38.13, -77.91] 07/15/12 17:55 EST		0	Thunderstorm Wind (EC 52 kt)	
	07/15/12 17:55 EST		0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter	
	01/10/12 11.00 E01		v	Course. Trained opolier	
Two trees were down along Route 719.					
SPOTSYLVANIA COUNTY 1.1 SE ALSO					
	07/15/12 18:42 EST		1K	Thunderstorm Wind (EG 52 kt)	
	07/15/12 18:42 EST		0	Source: Public	
A tree was down along Lake Anna Parkway	<i>1</i> .				
			retorme A faw thi	inderstorms produced	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FA					
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FA	AIRFAX, (VA-Z054) ARLINGTON, (RD, (VA-Z056) SP	OTSYLVANIA, (VA-Z057) KING	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FA					
An upper-level trough combined with an udamaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a	AIRFAX, (VA-Z054) ARLINGTON, (V 07/18/12 11:00 EST 07/18/12 17:00 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP 0 0 0	OTSYLVANIA, (VA-Z057) KING	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FA	AIRFAX, (VA-Z054) ARLINGTON, (V 07/18/12 11:00 EST 07/18/12 17:00 EST hot and humid air mass to remain	/A-Z055) STAFFO	RD, (VA-Z056) SP 0 0 0	OTSYLVANIA, (VA-Z057) KING	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a	07/18/12 11:00 EST 07/18/12 17:00 EST 07/18/12 17:00 EST hot and humid air mass to remain 07/18/12 11:30 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0) ontic.	OTSYLVANIA, (VA-Z057) KING Heat Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a	AIRFAX, (VA-Z054) ARLINGTON, (VO) 07/18/12 11:00 EST 07/18/12 17:00 EST hot and humid air mass to remain (ITAIN [38.25, -79.19]	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 ntic.	OTSYLVANIA, (VA-Z057) KING Heat	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a GROUNTY 0.4 W LONE FOUN	07/18/12 11:00 EST 07/18/12 17:00 EST 07/18/12 17:00 EST hot and humid air mass to remain 07/18/12 11:30 EST 07/18/12 11:30 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0) ontic.	OTSYLVANIA, (VA-Z057) KING Heat Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a second country 0.4 W LONE FOUN Branches were down blocking half of Route	07/18/12 11:00 EST 07/18/12 17:00 EST hot and humid air mass to remain 1TAIN [38.25, -79.19] 07/18/12 11:30 EST 07/18/12 11:30 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0) ontic.	OTSYLVANIA, (VA-Z057) KING Heat Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a second seco	07/18/12 11:00 EST 07/18/12 17:00 EST hot and humid air mass to remain 1TAIN [38.25, -79.19] 07/18/12 11:30 EST 07/18/12 11:30 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0) ontic.	OTSYLVANIA, (VA-Z057) KING Heat Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a second seco	AIRFAX, (VA-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VA-Z054) ARLINGTON, (/A-Z055) STAFFO	RD, (VA-Z056) SPo	OTSYLVANIA, (VA-Z057) KING Heat Thunderstorm Wind (EG 52 kt) Source: Trained Spotter	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a language of the coast allowe	07/18/12 11:00 EST 07/18/12 17:00 EST hot and humid air mass to remain 1TAIN [38.25, -79.19] 07/18/12 11:30 EST 07/18/12 11:30 EST 250.	/A-Z055) STAFFO	RD, (VA-Z056) SPO	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a language of the coast allowe	AIRFAX, (VA-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VA-Z054) ARLINGTON, (/A-Z055) STAFFO	RD, (VA-Z056) SPO	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a second seco	AIRFAX, (VA-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VO-Z054) ARLINGTON, (VA-Z054) ARLINGTON, (/A-Z055) STAFFO	RD, (VA-Z056) SPO	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt)	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a language of the coast allowe	AIRFAX, (VA-Z054) ARLINGTON, (VO7/18/12 11:00 EST 07/18/12 17:00 EST 07/18/12 17:00 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:15 EST	/A-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a land and a land a land and a land	AIRFAX, (VA-Z054) ARLINGTON, (VO7/18/12 11:00 EST 07/18/12 17:00 EST 07/18/12 17:00 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:19 EST 07/18/12 12:19 EST 07/18/12 12:19 EST 07/18/12 12:19 EST	VA-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a AUGUSTA COUNTY 0.4 W LONE FOUND Branches were down blocking half of Route ROCKINGHAM COUNTY 0.8 SSE BROAD A tree fell onto a road in Broadway. FREDERICK COUNTY 1.2 NW HILLCRE A tree was down near the intersection of Rocking half of Route ROCKINGHAM COUNTY 1.2 NW HILLCRE A tree was down near the intersection of Rocking half of Rocking	AIRFAX, (VA-Z054) ARLINGTON, (VO7/18/12 11:00 EST 07/18/12 17:00 EST Not and humid air mass to remain 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:19 EST 07/18/	VA-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a AUGUSTA COUNTY 0.4 W LONE FOUND Branches were down blocking half of Route ROCKINGHAM COUNTY 0.8 SSE BROAD A tree fell onto a road in Broadway. FREDERICK COUNTY 1.2 NW HILLCRE A tree was down near the intersection of Rocking half of Route ROCKINGHAM COUNTY 1.2 NW HILLCRE A tree was down near the intersection of Rocking half of Rocking	AIRFAX, (VA-Z054) ARLINGTON, (VO7/18/12 11:00 EST 07/18/12 17:00 EST Not and humid air mass to remain 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:19 EST 07/18/	VA-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue	
damaging wind gusts. (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAGEORGE High pressure off the coast allowed for a	AIRFAX, (VA-Z054) ARLINGTON, (VO7/18/12 11:00 EST 07/18/12 17:00 EST Not and humid air mass to remain 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 11:30 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:15 EST 07/18/12 12:19 EST 07/18/	VA-Z055) STAFFO	RD, (VA-Z056) SP(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue Thunderstorm Wind (EG 52 kt) Source: State Official	

SHENANDOAH COUNTY --- 0.7 WNW CLARY [39.03, -78.38]

Page 28 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/18/12 12:43 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 12:43 EST		0	Source: State Official
tree was down on route 55 near Back Road.				
REDERICK COUNTY 2.4 NE BURNING K			417	Thursday Alexander Mand (FO FOLO)
	07/18/12 12:46 EST 07/18/12 12:46 EST		1K 0	Thunderstorm Wind (EG 56 kt) Source: State Official
			U	Source. State Official
Multiple trees were down on the 400 Block of V	Voods Mill Road.			
SHENANDOAH COUNTY 1.3 NE CLARY [3	•			
	07/18/12 12:50 EST 07/18/12 12:50 EST		0	Thunderstorm Wind (EG 56 kt) Source: CoCoRaHS
	07/10/12 12.30 EST		U	Source: Cocorans
rees were uprooted due to thunderstorm wind	d gusts.			
REDERICK COUNTY 1.7 NE GRAVEL SPO				
	07/18/12 13:28 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:28 EST		0	Source: State Official
A tree was down on Back Creek Road and Wa	rdensville Pike.			
ROCKINGHAM COUNTY 0.9 SE RUTHERF	ORD [38.42, -78.82]			
	07/18/12 15:05 EST		0	Thunderstorm Wind (EG 52 kt)
	07/18/12 15:05 EST		0	Source: Trained Spotter
A tree was down on Betts Road.				
ROCKINGHAM COUNTY 0.7 SW COOTES	STORE [38.62, -78.86]			
	07/18/12 16:47 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 16:47 EST		0	Source: State Official
Several trees were down onto State Route 613	3 between the 14000 and 18000	Block.		
SHENANDOAH COUNTY 0.6 SE READUS	[38.84, -78.59]			
	07/18/12 17:56 EST		3K	Thunderstorm Wind (EG 56 kt)
	07/18/12 17:56 EST		0	Source: Emergency Manager
A portion of a roof was blown off a barn on Rea	adus Road.			
A surface trough combined with moderate in	stability caused showers and	thunderstorms to	develop. There wa	s enough instability for
thunderstorms to produce damaging wind gu	usts and large hail.			
MADISON COUNTY 0.9 SE CRIGLERSVILL	E [38.46, -78.29], 0.6 ENE BAN	ICO [38.45, -78.29]	, 0.2 NNW BAUCO	[38.45, -78.28], 0.9 NNW BAUCO
[38.46, -78.29]	07/21/12 00:00 EST		0	Flash Flood (due to Heavy Rain)
	07/21/12 02:00 EST		0	Source: State Official
Route 231 was flooded near Old Blue Ridge To	urnpike.			
A slow moving cold front during the early mo County caused isolated flash flooding.	·	rs and thundersto	rms. High rainfall	amounts in Madison
ROCKINGHAM COUNTY 1.8 SW ATHLONE	E [38.51, -78.72]			
	07/24/12 13:27 EST		10K	Thunderstorm Wind (EG 56 kt)
	07/24/12 13:27 EST		0	Source: Emergency Manager
Two trees fell onto vehicles on Mountain Valley	y Road.			
ROCKINGHAM COUNTY 0.5 SSE ELKTON	[38.41, -78.62]			
CONTROLLEM COURT I 0.3 SSE ELICION	07/24/12 13:42 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/04/40 40:40 FOT		•	

07/24/12 13:42 EST

Page 29 of 33 Printed on: 02/06/2013

Source: State Official

0

Date/Time Location Deaths & Property & **Event Type and Details** Injuries **Crop Dmg** Several trees were down in Elkton. A surface trough along with an upper-level disturbance triggered some showers and thunderstorms. There was enough instability and flow aloft for a few thunderstorms to produce damaging winds. (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER 07/26/12 11:30 EST 0 07/26/12 18:00 EST High pressure off the coast allowed for a hot and humid air mass to remain over the Mid-Atlantic. NELSON COUNTY --- 1.6 NE GLADSTONE [37.57, -78.85] 07/27/12 16:15 EST 0 Thunderstorm Wind (EG 52 kt) 07/27/12 16:15 EST 0 Source: State Official A tree was down along Route 60 at Robertson Lane. A trough triggered a few showers and thunderstorms. There was enough instability for an isolated thunderstorm to produce damaging wind gusts. ALBEMARLE COUNTY --- 2.8 S IVY [38.01, -78.61] 0 07/30/12 17:12 EST Thunderstorm Wind (EG 52 kt) 07/30/12 17:12 EST 0 Source: Public Branches were down due to thunderstorm winds gusts. A trough of low pressure triggered showers and thunderstorms. An isolated thunderstorm produced damaging wind gusts. FAIRFAX COUNTY --- 0.7 NE CENTREVILLE [38.84, -77.41] 07/31/12 16:48 EST n Hail (1.00 in) 07/31/12 16:48 EST 0 Source: Trained Spotter Quarter sized hail was reported. CULPEPER COUNTY --- 0.2 SW JEFFERSONTON [38.63, -77.90] 07/31/12 18:09 EST 0 Hail (1.25 in) 07/31/12 18:09 EST 0 Source: Public Half dollar sized hail was reported near Jeffersonton. AUGUSTA COUNTY --- 0.3 NW MT ELLIOTT SPGS [38.13, -79.28] 07/31/12 18:51 EST 1K Thunderstorm Wind (EG 52 kt) 0 07/31/12 18:51 EST Source: State Official A tree was down at the 800 block of Little Calf Pasture Highway. A stalled boundary remained over the region on the 31st. Warm and humid air ahead of the boundary caused showers and thunderstorms to develop. There was enough instability for a few thunderstorms to produce damaging wind gusts and large hail.

HAMPSHIRE COUNTY 3.8 WSV	V AUGUSTA [39.27, -78.71]		
	07/04/12 19:23 EST	1K	Thunderstorm Wind (EG 52 kt)
	07/04/12 19:23 EST	0	Source: State Official
A tree was down on a power line a	ong Heide Cooper Road.		

Page 30 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/04/12 19:40 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/04/12 19:40 EST		0	Source: State Official
tree was down along Bloomery Pike.				
IARDY COUNTY 0.9 ENE WARDENSVIL	LE [39.09, -78.59] 07/04/12 19:56 EST		0	Thunderstorm Wind (EG 61 kt)
	07/04/12 19:56 EST		0	Source: COOP Observer
Vind gusts up to 70 mph were estimated.				
IARDY COUNTY 22 ENE WARRENCY!!	LE [20.00, 70.50]			
IARDY COUNTY 2.3 ENE WARDENSVIL	07/04/12 19:59 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/04/12 19:59 EST		0	Source: State Official
large tree limb was blocking road along Ro	oute 55.			
n upper-level disturbance passed through or showers and thunderstorms to develop		-		_
WV-Z050) HAMPSHIRE, (WV-Z051) MORGA WV-Z504) EASTERN MINERAL	AN, (WV-Z052) BERKELEY, (WV-	Z053) JEFFERSON	N, (WV-Z055) HARI	DY, (WV-Z502) EASTERN GRANT,
Lour, LAULENN MINERAL	07/07/12 14:00 EST		0	Heat
	07/07/12 17:00 EST		0	
ADDOLLI GOLINITY LIGHTON TO TO	ons.			
MORGAN COUNTY HOLTON [39.60, -78.			1K 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
MORGAN COUNTY HOLTON [39.60, -78.0] Several trees were down due to thunderstorn	07/08/12 12:20 EST 07/08/12 12:20 EST			
	07] 07/08/12 12:20 EST 07/08/12 12:20 EST m winds.			
Several trees were down due to thunderstorn	07] 07/08/12 12:20 EST 07/08/12 12:20 EST m winds.			
Several trees were down due to thunderstorn	07] 07/08/12 12:20 EST 07/08/12 12:20 EST m winds.		0	Source: Trained Spotter
Several trees were down due to thunderstorn SERKELEY COUNTY 0.4 NE HEDGESVIL	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST		0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt)
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST		0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt)
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt)
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt)
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Geveral trees were down.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST		0 0 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Geveral trees were down.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST		0 0 0 1K 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in)
Several trees were down due to thunderstorn BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST		0 0 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
Several trees were down due to thunderstorm BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Geveral trees were down. EFFERSON COUNTY 0.5 NNW BOLIVAL	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST		0 0 0 1K 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in)
Geveral trees were down due to thunderstorm BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Geveral trees were down. DEFFERSON COUNTY 0.5 NNW BOLIVAL Quarter sized hail was reported.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST		0 0 0 1K 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in)
Geveral trees were down due to thunderstorm BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Geveral trees were down. DEFFERSON COUNTY 0.5 NNW BOLIVAL Quarter sized hail was reported.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST		0 0 0 1K 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in)
Several trees were down due to thunderstorn	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST		0 0 0 1K 0	Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in) Source: Public
Several trees were down due to thunderstorm BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Several trees were down. EFFERSON COUNTY 0.5 NNW BOLIVAL Quarter sized hail was reported.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST R [39.33, -77.75] 07/08/12 13:26 EST 07/08/12 13:26 EST		0 0 0 1K 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in) Source: Public
Several trees were down due to thunderstorm BERKELEY COUNTY 0.4 NE HEDGESVIL Trees and wires were down. BERKELEY COUNTY 1.7 SSE SHANGHA Several trees were down. EFFERSON COUNTY 0.5 NNW BOLIVAL Quarter sized hail was reported.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST 07/08/12 13:26 EST		0 0 0 1K 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in) Source: Public Thunderstorm Wind (EG 52 kt) Source: Public
Serkeley County 0.4 Ne Hedgesvillerees and wires were down. Serkeley County 1.7 SSE SHANGHA Several trees were down. EFFERSON COUNTY 0.5 NNW BOLIVAL Quarter sized hail was reported. MORGAN COUNTY 1.8 NW HOLTON [39.0] arge limbs were down.	07/08/12 12:20 EST 07/08/12 12:20 EST m winds. LLE [39.55, -77.99] 07/08/12 12:36 EST 07/08/12 12:36 EST 07/08/12 13:21 EST 07/08/12 13:21 EST 07/08/12 13:26 EST 07/08/12 13:26 EST		0 0 0 1K 0	Source: Trained Spotter Thunderstorm Wind (EG 56 kt) Source: Broadcast Media Thunderstorm Wind (EG 56 kt) Source: Trained Spotter Hail (1.00 in) Source: Public

Large limbs were down.

Page 31 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARDY COUNTY 0.4 S PERRY [38.96, -78.	68]			
	07/08/12 23:09 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/08/12 23:09 EST		0	Source: Public
Trees were down due to thunderstorm wind gu	usts.			
A cold front passed through the area on the instability combined with forcing from the fr	_			
HARDY COUNTY 1.0 NW MC NEILL [39.14	·			
	07/18/12 13:00 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:00 EST		0	Source: State Official
Several trees were down just east of Old Field	S.			
HARDY COUNTY 3.5 ESE ROCKOAK [39.1	13, -78.67]			
	07/18/12 13:26 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:26 EST		0	Source: State Official
A tree was down due to thunderstorm wind gu	sts near Rio.			
BERKELEY COUNTY 0.5 NE MARTINSBU	RG [39.46, -77.96]			
	07/18/12 13:52 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 13:52 EST		0	Source: Broadcast Media
A large tree was downed on South Queen Stre	eet.			
HARDY COUNTY 3.0 ENE WARDENSVILL	E [39.09, -78.55] 07/18/12 13:55 EST		0	Hail (1.00 in)
	07/18/12 13:55 EST		0	Source: Public
	077.07.2 10.00 201		·	00410011 42310
Hail up to the size of quarters was reported.				
HARDY COUNTY 6.0 SW BRAKE [38.81, -7	_		417	T
	07/18/12 17:20 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/18/12 17:20 EST		0	Source: State Official
A few trees were down across Hinkle Mountain	n Road near the intersection of 0	County Route 7.		
PENDLETON COUNTY 1.1 WSW FRANKLI	• •		0	Thursdevetors Wird (FO FO H)
	07/18/12 17:35 EST		0	Thunderstorm Wind (EG 52 kt)
L'arks and a second that a factor of a second to the secon	07/18/12 17:35 EST		0	Source: Trained Spotter
Limbs were down on multiple trees near U.S. 3	33 west of Franklin.			
PENDLETON COUNTY 0.6 W CIRCLEVILL	=		0	Thunderstorm Wind (EQ 56 kt)
	07/18/12 18:20 EST 07/18/12 18:20 EST		0	Thunderstorm Wind (EG 56 kt) Source: State Official
	01/10/12 10.20 E31		U	Gource. State Official
Two rides collapsed at a Fair.				
A surface trough combined with moderate ir thunderstorms to produce damaging wind g	•	thunderstorms to	develop. There wa	as enough instability for
HARDY COUNTY 0.9 SE KESSEL [39.06, -	-	, -79.03], 0.6 SSE F	= -	
	07/20/12 18:30 EST		0	Flash Flood (due to Heavy Rain)
	07/20/12 20:30 EST		0	Source: State Official

A slow-moving cold front produced showers and thunderstorms in a highly moist atmosphere. High rainfall rates over

Flash Flooding on Kessel Road.

already-saturated grounds produced isolated flash flooding in Hardy County.

Page 32 of 33 Printed on: 02/06/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MINERAL COUNTY 1.3 S BERYL [39.45, -7	79.07]			
	07/24/12 11:03 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/24/12 11:03 EST		0	Source: Department of Highways
A tree was down across a portion of Route 46.				
MINERAL COUNTY 0.9 SE HEADSVILLE [39.39, -78.86]			
	07/24/12 11:15 EST		1K	Thunderstorm Wind (EG 56 kt)
	07/24/12 11:15 EST		0	Source: State Official
A tree was down near the intersection of Patte	erson Creek Road and Headsville	Road.		
GRANT COUNTY 0.9 SE ARTHUR [39.06, -	-79.11]			
•	07/24/12 11:52 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/24/12 11:52 EST		0	Source: State Official
Trees were down near Seymourville.				
HARDY COUNTY 0.1 ENE LOST RIVER [3	8.95, -78.80]			
•	07/24/12 12:16 EST		2K	Thunderstorm Wind (EG 61 kt)
	07/24/12 12:16 EST		0	Source: Department of Highways
Multiple trees were down along Mill Gap-Thorr	ne Bottom Road.			
HARDY COUNTY 0.4 WNW LOST CITY [38	B.93, -78.84]			
	07/24/12 12:18 EST		2K	Thunderstorm Wind (EG 61 kt)
	07/24/12 12:18 EST		0	Source: State Official
Tree tops were twisted and ripped off. Tree top	ps landed in driveways along a b	ack road off of Rou	ıte 259.	
A surface trough along with an upper-level of flow aloft for a few thunderstorms to produc		wers and thunder	storms. There was	s enough instability and
MINERAL COUNTY 2.1 SW FT ASHBY [39	.48, -78.80]			
•	07/26/12 18:58 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/26/12 18:58 EST		0	Source: Broadcast Media
Trace were down poor Pouts 46 and Coorses	Dun Dood			
Trees were down near Route 46 and Georges	Ruii Roau.			
A cold front passed through the area on the The cold front triggered showers and thundowinds.	26th. Hot and humid conditions			
A cold front passed through the area on the The cold front triggered showers and thunde	26th. Hot and humid conditions erstorms. There was enough in 89.23, -79.27]		lated thunderstori	n to produce damaging
A cold front passed through the area on the The cold front triggered showers and thundowinds.	26th. Hot and humid conditions erstorms. There was enough in 89.23, -79.27] 07/31/12 11:26 EST		lated thunderstori	m to produce damaging Hail (1.00 in)
A cold front passed through the area on the The cold front triggered showers and thundowinds.	26th. Hot and humid conditions erstorms. There was enough in 89.23, -79.27]		lated thunderstori	n to produce damaging
A cold front passed through the area on the The cold front triggered showers and thundowinds.	26th. Hot and humid conditions erstorms. There was enough in 89.23, -79.27] 07/31/12 11:26 EST		lated thunderstori	m to produce damaging Hail (1.00 in)
A cold front passed through the area on the The cold front triggered showers and thundowinds. GRANT COUNTY 2.2 NW STONY RIVER [3]	26th. Hot and humid conditions erstorms. There was enough in 39.23, -79.27] 07/31/12 11:26 EST 07/31/12 11:26 EST		O 0	Hail (1.00 in) Source: Public
A cold front passed through the area on the The cold front triggered showers and thunde winds. GRANT COUNTY 2.2 NW STONY RIVER [3] Quarter sized hail was reported.	26th. Hot and humid conditions erstorms. There was enough in 39.23, -79.27] 07/31/12 11:26 EST 07/31/12 11:26 EST		lated thunderstori	m to produce damaging Hail (1.00 in)

Hail up to the size of quarters was reported near Bismark Road and Route 93.

A stalled boundary remained over the region on the 31st. Warm and humid air ahead of the boundary caused showers and thunderstorms to develop. There was enough instability for a couple thunderstorms to produce large hail.

Page 33 of 33 Printed on: 02/06/2013