Property &

Event Type and Details

Deaths &

Date/Time

Location

Injuries Crop Dmg ATLANTIC NORTH TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- COBB POINT [38.25, -76.83] 12/24/15 15:12 EST 0 Marine Thunderstorm Wind (EG 34 kt) 12/24/15 15:22 EST n Source: Mesonet COB reported gusts between 31 and 34 knots. TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT [38.14, -75.79] 12/24/15 17:09 EST 0 Marine Thunderstorm Wind (EG 34 kt) 12/24/15 17:09 EST 0 Source: Mesonet RAC reported gusts between 31 and 34 knots. Scattered showers with gusty winds moved across the Bay as a warm front lifted north. MARYLAND, Central (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY 12/01/15 02:54 EST 0 Dense Fog 12/02/15 17:39 EST 0 High pressure slowly retreated to the north during the day, leaving a cold air wedge over central Maryland. While a surface warm front lagged at the surface, low level jet pushed warm front aloft to the north, resulting in a stable air mass that trapped moisture in the valleys of central Maryland and northern Virginia, leading to fog development. (MD-Z004) FREDERICK, (MD-Z014) ANNE ARUNDEL 12/06/15 02:10 EST 0 Dense Fog 12/06/15 10:50 EST 0 High pressure over the region produced light winds and clear skies, leading to patchy radiational dense fog. (MD-Z004) FREDERICK 12/09/15 06:54 EST 0 Dense Fog 12/09/15 22:56 EST High pressure settling off the Carolina coast resulted in light return flow over the region, increasing moisture levels. Strong subsidence inversion limited any mixing, allowing the fog to persist well into the day in the valleys. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z508) SOUTHEAST HARFORD 12/10/15 02:40 EST 0 Dense Fog 12/10/15 10:35 EST 0 High pressure over the region led to light winds. A wedge of clearing skies extending from central Maryland down into central Virginia combining with the light winds and low dew point depressions produced areas of dense fog. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL 12/17/15 02:15 EST 0 Dense Fog 12/17/15 22:08 EST 0 Ahead of an approaching cold front, low level moisture pooling in the wake of a rain event from passing low pressure combining with light winds led to the development of dense fog. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL 12/22/15 17:58 EST 0 Dense Foa

12/23/15 12:40 EST

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0

Date/Time **Event Type and Details** Location Deaths & Property & Injuries Crop Dmg Saturated grounds from rain during the day combining with light winds and clearing skies let to the development of dense fog. BALTIMORE COUNTY --- 1.4 WSW WHITE MARSH [39.38, -76.45], 1.5 W WHITE MARSH [39.38, -76.46], 1.6 W WHITE MARSH [39.38, -76.46], 1.7 WSW WHITE MARSH [39.37, -76.46], 1.5 WSW WHITE MARSH [39.37, -76.46] 12/23/15 18:53 EST 0 Flash Flood (due to Heavy Rain) 12/24/15 20:00 EST 0 Source: River/Stream Gage The river gauge at White Marsh on Whitemarsh Run reached a flood stage of 10 feet. It peaked at 11.21 feet at 19:30 EST. Water began to cover parking lots near the stream, particularly near Town Center Court. BALTIMORE COUNTY --- 1.7 SSW LUTZ HILL [39.30, -76.53], 1.7 SSW LUTZ HILL [39.30, -76. HILL [39.30, -76.53] 12/23/15 18:53 EST 0 Flash Flood (due to Heavy Rain) 12/23/15 20:00 EST 0 Source: Emergency Manager A swift water rescue took place at North Point Boulevard and Kane Avenue. A warm front moved through the Mid-Atlantic region. Well above normal temperatures occurred across the region while moisture streamed in from the south. Heavy rain led to localized flash flooding in Northeast Maryland. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z014) ANNE ARUNDEL, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY 12/24/15 19:44 EST 0 Dense Fog 0 12/25/15 23:59 EST Saturated low levels from multiple rounds of heavy rain combining with overnight low level inversion led to widespread development of fog, with areas of dense fog. BALTIMORE COUNTY --- 1.5 WSW WHITE MARSH [39.37, -76.46], 1.6 WSW WHITE MARSH [39.37, -76.46], 1.5 W WHITE MARSH [39.38, -76.46], 1.4 WSW WHITE MARSH [39.38, -76.45] 12/25/15 17:57 EST 0 Flash Flood (due to Heavy Rain) 12/25/15 19:50 EST 0 Source: River/Stream Gage The river gauge at Whitemarsh on Whitemarsh Run reached flood stage of 10 feet. It peaked at 11.38 feet at 18:45 EST. Water began to cover parking lots near the stream, particularly near Town Center Court. MONTGOMERY COUNTY --- 0.5 E DAWSONVILLE [39.13, -77.34], 1.2 NW DARNESTOWN [39.11, -77.31], 1.4 NNW DARNESTOWN [39.12, -77.31], 0.8 ENE DAWSONVILLE [39.13, -77.34] 12/25/15 18:53 EST 0 Flash Flood (due to Heavy Rain) 0 12/25/15 20:11 EST Source: River/Stream Gage The river gauge at Dawsonville at Seneca Creek reached a flood stage of 7.5 feet. It peaked at 7.75 feet at 19:25 EST. Portions of the Seneca Creek Greenway were flooded and a small portion of Berryville Road weest of Darnestown began to flood. A warm front moved through the Mid-Atlantic region and showers and thunderstorms led to very heavy rain capable of flooding across Central Maryland. (MD-Z004) FREDERICK, (MD-Z005) CARROLL 12/26/15 19:54 EST 0 Dense Fog 12/27/15 19:54 EST 0 Warming aloft led to low level inversion developing overnight, trapping residual low level moisture from the previous days multiple rounds of rain. This led to the development fog, with patches of dense fog. (MD-Z501) EXTREME WESTERN ALLEGANY 0 12/28/15 19:00 EST Winter Weather 12/29/15 04:00 EST 0 A cold front sank south across the region during the day, quickly returning during the overnight hours as a warm front. A shallow layer of cold air trapped in isolated spots of western Maryland led to the development the freezing drizzle as the front moved north.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z014) ANNE ARUNDEL

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ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/29/15 19:15 EST		0	Dense Fog
	12/30/15 23:59 EST		0	· ·
oist low levels combining with light w dense fog.	vinds and clearing skies north of a wa	arm frontal bound	ary resulted in wid	despread fog with areas
ID-Z003) WASHINGTON, (MD-Z004) FF	REDERICK, (MD-Z005) CARROLL, (M	D-Z504) CENTRAI	AND SOUTHEAS	T MONTGOMERY
	12/30/15 21:39 EST		0	Dense Fog
	12/31/15 04:20 EST		0	
ubsidence inversion trapping low leve	el moisture led to the development of	dense fog.		
IRGINIA, North				
VA 7020) WADDEN (VA 7052) DDINGE	NAVILLIAM (VA 7052) FAIDEAY (VA 7	OF A) A DI INICTON	(VA 7502) SOUT	JEDNIEAUOUED (VA ZEOC)
'A-Z030) WARREN, (VA-Z052) PRINCE ASTERN LOUDOUN	vvilliani, (va-zu53) faikfax, (va-z	UD4) AKLINGTON	, (VA-2502) SUUTF	TEKN FAUQUIEK, (VA-2506)
	12/01/15 19:58 EST		0	Dense Fog
	12/02/15 11:45 EST		0	
ow level moisture remained trapped a	t the surface as a warm front slowly	lifted north, result	ting in patches of	dense fog.
/A-Z025) AUGUSTA, (VA-Z029) PAGE				
	12/08/15 00:00 EST		0	Dense Fog
	12/08/15 10:15 EST		0	
igh pressure overhead produced light /A-Z029) PAGE, (VA-Z037) ALBEMARL	t winds and clear skies, leading to ra		-	
(A-Z029) PAGE, (VA-Z037) ALBEMARL	t winds and clear skies, leading to radice. E, (VA-Z050) ORANGE, (VA-Z051) CU 12/09/15 05:15 EST		3) FAIRFAX, (VA-Z	
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A-Z029) PAGE, (VA-Z037) ALBEMARL DUTHERN FAUQUIER Igh pressure settling off the Carolina of version limited any mixing, allowing to the version limited any mixing pressure over the region led to light winds and low the light winds and low pressure over the region led to light winds and low the light winds and low pressure over the region led to light winds and low the light winds and low the light winds led to the development of divided to the d	t winds and clear skies, leading to rank. E, (VA-Z050) ORANGE, (VA-Z051) CU 12/09/15 05:15 EST 12/09/15 21:30 EST coast resulted in light return flow over the fog to persist well into the day. PEPER, (VA-Z053) FAIRFAX, (VA-Z055) 12/09/15 20:55 EST 12/10/15 08:55 EST 12/10/15 18:53 EST 12/17/15 18:53 EST 12/18/15 02:35 EST w level moisture pooling in the wake lense fog. EMARLE, (VA-Z050) ORANGE, (VA-Z050) ORANGE	er the region, incress of STAFFORD, (VAlextending from cases of dense fog.	O O O O O O O O O O O O O O O O O O O	Dense Fog evels. Strong subsidence N FAUQUIER, (VA-Z506) EASTERN Dense Fog own into central Virginia HERN FAUQUIER Dense Fog essure combining with DRD, (VA-Z506) EASTERN LOUDOUN Dense Fog

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Property &

Event Type and Details

Deaths &

Date/Time

Location

Injuries Crop Dmg Continual moisture advection in the wake of a warm frontal passage led to saturated low levels in the valleys, with dense fog developing. ALEXANDRIA (C) COUNTY --- 1.7 SSE ALEXANDRIA [38.80, -77.07], 1.8 SSE ALEXANDRIA [38.80, -77.07], 1.6 SSE ALEXANDRIA [38.80, -77.07], 1.6 SSE ALEXANDRIA [38.80, -77.07] 12/23/15 17:34 EST Flood (due to Heavy Rain) 12/23/15 18:40 EST n Source: River/Stream Gage The river gauge at Huntington Park at Cameron Run reached a flood stage of 5.5 feet. It peaked at 5.97 feet at 18:20 EST. Water began to cover undeveloped land within Huntington Park. A warm front moved through the Mid-Atlantic region. Well above normal temperatures occurred across the region while moisture streamed in from the south. Heavy rain led to localized flash flooding across the Baltimore and Washington DC metros. (VA-Z025) AUGUSTA, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z506) EASTERN LOUDOUN 12/25/15 00:15 EST 0 Dense Fog n 12/25/15 22:55 EST Saturated low levels from multiple rounds of heavy rain combining with overnight low level inversion led to widespread development of fog, with areas of dense fog. (VA-Z025) AUGUSTA, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z037) ALBEMARLE, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z053) FAIRFAX, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z506) EASTERN LOUDOUN 12/29/15 20:35 EST Dense Fog 12/30/15 12:15 EST Moist low levels combining with light winds and clearing skies north of a warm frontal boundary resulted in widespread fog with areas of dense fog. (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z037) ALBEMARLE, (VA-Z050) ORANGE, (VA-Z055) STAFFORD, (VA-Z502) **SOUTHERN FAUQUIER** 12/31/15 00:53 EST 0 Dense Fog 12/31/15 10:55 EST Subsidence inversion trapping low level moisture led to the development of dense fog. WEST VIRGINIA, East (WV-Z052) BERKELEY 12/02/15 00:53 EST 0 Dense Fog 12/02/15 05:30 EST 0 Low level moisture remained trapped at the surface as a warm front slowly lifted north, resulting in patches of dense fog. (WV-Z052) BERKELEY 12/06/15 07:35 EST 0 Dense Foa 12/06/15 11:29 EST O High pressure over the region produced light winds and clear skies, leading to patchy radiational dense fog. (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL 12/09/15 03:19 EST 0 Dense Fog 12/09/15 13:00 EST 0 High pressure settling off the Carolina coast resulted in light return flow over the region, increasing moisture levels. Strong subsidence inversion limited any mixing, allowing the fog to persist well into the day in the valleys.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
(WV-Z052) BERKELEY, (WV-Z504) EASTE	ERN MINERAL				
	12/10/15 04:31 EST		0	Dense Fog	
	12/10/15 11:29 EST		0		
High pressure over the region led to ligh combining with the light winds and low o		-	-	own into central Virginia	
(WV-Z052) BERKELEY, (WV-Z504) EASTE	ERN MINERAL				
	12/22/15 20:23 EST		0	Dense Fog	
	12/23/15 09:15 EST		0		
Saturated grounds from rain during the o	day combining with light winds and	d clearing skies le	t to the developme	ent of dense fog.	
(WV-Z504) EASTERN MINERAL					
•	12/23/15 20:20 EST		0	Dense Fog	
	12/24/15 05:41 EST		0		
Continual moisture advection in the wak developing.	e of a warm frontal passage led to	saturated low leve	els in the valleys, v	with dense fog	
	EDN GDANT (M/V 7504) EASTEDN I	MINERAL			
WV-Z052) BERKELEY, (WV-Z502) EASTE	-KN GRANI, (WV-2304) EASTERN				
(WV-Z052) BERKELEY, (WV-Z502) EASTE	12/25/15 00:15 EST		0	Dense Fog	
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Subsidence inversion trapping low level moisture led to the development of dense fog.

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