

Storm Data and Unusual Weather Phenomena - December 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA COUNTY --- 1.2 WNW WALTER REED [38.98, -77.05], 0.7 E TENLEYTOWN [38.95, -77.06], 1.5 NE MOUNT PLEASANT [38.95, -77.03], 0.3 NNW WALTER REED [38.98, -77.03]

	12/17/23 11:38 EST	0		Flood (due to Heavy Rain)
	12/18/23 09:00 EST	0		Source: 911 Call Center

Rock Creek/Sherrill Drive along Rock Creek reached minor flood stage, cresting around 8.24 feet at 12:45 AM. Rock Creek at Sherrill Drive remained above flood stage through 9:00 AM. Joyce Road along Rock Creek reached minor flood stage, cresting around 7.10 feet at 1:05 AM. Rock Creek at Joyce Road remained above flood stage through 6:00 AM.

An area of low pressure moved along the Atlantic seaboard bringing widespread rainfall amounts of 1.5 to 4 inches. This resulted in numerous creeks, streams, and rivers reaching minor to moderate flood stage. Numerous roads were closed in areas as well.

MARYLAND, Central

(MD-Z001) GARRETT

	12/05/23 18:00 EST	0		Winter Weather
	12/06/23 07:00 EST	0		

Upslope snow showers behind a departing low pressure system resulted in snowfall accumulations of two to four inches across mountains.

(MD-Z001) GARRETT, (MD-Z005) CARROLL, (MD-Z503) NORTHWEST MONTGOMERY

	12/10/23 19:00 EST	0		Winter Weather
	12/11/23 10:01 EST	0		

Low pressure strengthened as it moved northeast with rain changing to snow on the backside of the system. Localized amounts of two to four inches were reported in western Maryland with one to four inches in the elevated terrain northwest of the I-95 Corridor.

ST. MARY'S COUNTY --- 0.4 SSE GREAT MILLS [38.23, -76.50], 0.8 E GREAT MILLS [38.23, -76.49], 2.1 N GREAT MILLS [38.26, -76.50], 1.5 N CALLAWAY [38.25, -76.52]

	12/11/23 00:00 EST	0		Flood (due to Heavy Rain)
	12/11/23 08:44 EST	0		Source: River/Stream Gage

The St. Mary's River at Great Mills (GMRM2) crested at 7.3 feet which is above minor flood stage (7 feet). At 7 feet, Flat Iron Road begins to flood with water in some yards in Great Mills.

An area of low pressure produced heavy rain of three to four inches which resulted in the St. Mary's River at Great Mills going into minor flood stage.

ST. MARY'S COUNTY --- 0.5 S LEXINGTON PARK [38.26, -76.45], 0.2 ESE LEXINGTON PARK [38.27, -76.45], 0.6 NNW HERMANVILLE [38.26, -76.42], 0.7 W HERMANVILLE [38.25, -76.43]

	12/18/23 00:43 EST	0		Flood (due to Heavy Rain)
	12/18/23 04:45 EST	0		Source: 911 Call Center

Flooding reported at the intersection of Three Notch Road and Rennell Avenue East.

ST. MARY'S COUNTY --- 1.1 SE DYNARD [38.31, -76.72], 0.9 SE CLEMENTS [38.32, -76.71], 1.9 ESE CLEMENTS [38.31, -76.69], 1.8 SE DYNARD [38.30, -76.71]

	12/18/23 00:43 EST	0		Flood (due to Heavy Rain)
	12/18/23 04:45 EST	0		Source: 911 Call Center

Flooding reported at the intersection of Bayside Road and Big Chestnut Road.

ST. MARY'S COUNTY --- 1.4 N MADDOX [38.35, -76.82], 1.3 NE MADDOX [38.34, -76.80], 1.3 SSW CHAPTICO [38.35, -76.79], 1.2 SW CHAPTICO [38.36, -76.80]

	12/18/23 00:43 EST	0		Flood (due to Heavy Rain)
	12/18/23 04:45 EST	0		Source: 911 Call Center

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flooding reported along Maddox Road at Burroughs Run.				
BALTIMORE COUNTY --- 0.5 WSW TEXAS [39.47, -76.66], 1.4 NNE PADONIA [39.47, -76.62], 1.0 E GLENCOE [39.55, -76.61], 0.3 NE BELFAST [39.55, -76.67]				
	12/18/23 00:50 EST		0	Flood (due to Heavy Rain)
	12/18/23 05:00 EST		0	Source: River/Stream Gage
Beaverdam Run at Cockeysville hit minor flood stage (1:00 AM) and crested at 9.62 feet before coming below minor flood stage by 4:45 AM. Portions of Upper Glencoe Road and Lower Glencoe Road were flooded.				
ST. MARY'S COUNTY --- 0.6 NE CALLAWAY [38.24, -76.51], 1.4 N GREAT MILLS [38.25, -76.50], 0.7 W PARK HALL ARPT [38.23, -76.46], 0.9 SSE GREAT MILLS [38.22, -76.49]				
	12/18/23 01:15 EST		0	Flood (due to Heavy Rain)
	12/18/23 13:00 EST		0	Source: River/Stream Gage
St. Mary's River in Great Mills reached minor level flooding at 1:15 AM, moderate level flooding at 3:30 AM and eventually crested at 9.16 feet near 6:00 AM. The river came below flood stage by 2:00 PM.				
HOWARD COUNTY --- 0.5 E SAVAGE [39.13, -76.82], 1.0 NE SAVAGE [39.14, -76.82], 1.4 NNW SAVAGE [39.15, -76.84], 1.1 NW SAVAGE [39.14, -76.84]				
	12/18/23 01:40 EST		0	Flood (due to Heavy Rain)
	12/18/23 10:15 EST		0	Source: River/Stream Gage
Little Patuxent River in Howard County reached minor flooding at 1:40 AM, eventually cresting at 12.27 feet before falling below minor flood stage around 10:15 AM.				
CALVERT COUNTY --- 1.1 SE DUNKIRK [38.71, -76.66], 1.4 ESE DUNKIRK [38.72, -76.65], 0.8 SE SUNDERLAND [38.66, -76.59], 1.4 SW SUNDERLAND [38.66, -76.62]				
	12/18/23 01:45 EST		0	Flood (due to Heavy Rain)
	12/18/23 05:45 EST		0	Source: 911 Call Center
Road closed due to flooding at the intersection of Route 4 and Bright Lane.				
MONTGOMERY COUNTY --- 1.6 NE DAWSONVILLE [39.14, -77.33], 1.7 NW DAWSONVILLE [39.15, -77.37], 2.6 WSW DAWSONVILLE [39.11, -77.39], 1.3 N SENECA [39.10, -77.33]				
	12/18/23 02:23 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: River/Stream Gage
Seneca Creek in Dawsonville reached minor flood stage at 2:23 AM, cresting around 7.72'.				
MONTGOMERY COUNTY --- 1.0 WSW BRIGHTON [39.19, -77.05], 1.2 SW BRIGHTON [39.19, -77.05], 0.7 S BRIGHTON [39.19, -77.03], 0.2 WSW BRIGHTON [39.20, -77.03]				
	12/18/23 03:15 EST		0	Flood (due to Heavy Rain)
	12/18/23 06:30 EST		0	Source: 911 Call Center
Hawlings River flooded on Brighton Dam Road resulting in road closure and 1 water rescue.				
CECIL COUNTY --- 1.7 NE FAIR HILL [39.72, -75.85], 1.6 N ELKTON [39.62, -75.83], 0.3 E ELKTON [39.60, -75.82], 1.6 SSE LOVETT ARPT [39.63, -75.81], 2.6 N COWENTOWN [39.72, -75.82]				
	12/18/23 04:30 EST		0	Flood (due to Heavy Rain)
	12/18/23 16:00 EST		0	Source: River/Stream Gage
Big Elk Creek in Elk Mills reached minor flooding at 4:30 AM, eventually cresting at 9.51 feet near 6:00 AM. The creek remained in flood stage through 9:00 AM.				
An area of low pressure moved along the Atlantic seaboard bringing widespread rainfall amounts of 1.5 to 4 inches. This resulted in numerous creeks, streams, and rivers reaching minor to moderate flood stage. Numerous roads were closed in areas as well.				
(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S				
	12/18/23 05:00 EST		0	Coastal Flood
	12/18/23 09:24 EST		0	
A strong coastal 984 mb low pressure system caused fresh water and coastal flooding to areas along and east of I-95. 2 to 4 inches of rain were reported across the region causing moderate fresh water flooding across the area and raised water levels up to 2 ft above				

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ground causing moderate coastal flooding at Annapolis and Straits Point. This system also set new record low pressure readings across the Carolinas and produced storm to hurricane force winds offshore.

(MD-Z001) GARRETT

12/18/23 13:00 EST	0	Winter Storm
12/19/23 10:00 EST	0	

A potent upper-level low moved over the Great Lakes bringing four to ten inches of upslope snow across the region. Winds gusted to 40 to 50 mph during the event resulting in widespread blowing and drifting snow.

(MD-Z501) EXTREME WESTERN ALLEGANY

12/18/23 16:00 EST	0	Winter Weather
12/19/23 08:00 EST	0	

A potent upper-level low moved over the Great Lakes bringing two to four inches of upslope snow across the region. Winds gusted to 40 to 50 mph during the event resulting in blowing snow.

CECIL COUNTY --- 0.2 WSW OAKWOOD [39.68, -76.18], 0.8 SE CONOWINGO ARPT [39.69, -76.16], 0.4 SE KILBY CORNER [39.68, -76.15], 0.5 ESE CONOWINGO [39.67, -76.16]

12/27/23 21:37 EST	0	Flood (due to Heavy Rain)
12/28/23 04:56 EST	0	Source: 911 Call Center

Numerous roads reported closed due to high water in the Conowingo area.

CECIL COUNTY --- 2.0 E EDER [39.62, -75.86], 2.0 N CHESAPEAKE CITY [39.56, -75.82], 1.9 SW CHESAPEAKE CITY [39.51, -75.84], 2.4 ESE CHESAPEAKE CITY [39.52, -75.78], 1.3 SSW ELKTON CECIL ARPT [39.63, -75.81]

12/27/23 21:37 EST	0	Flood (due to Heavy Rain)
12/28/23 04:56 EST	0	Source: 911 Call Center

Numerous roads reported closed due to high water in the Elkton and Chesapeake City areas.

HARFORD COUNTY --- 1.3 W VAN BIBBER [39.45, -76.32], 1.1 WNW VAN BIBBER [39.45, -76.32], 0.3 WSW SINGER [39.48, -76.34], 0.6 WSW SINGER [39.48, -76.34], 1.1 SSW SINGER [39.46, -76.34]

12/28/23 00:15 EST	0	Flood (due to Heavy Rain)
12/28/23 04:15 EST	0	Source: 911 Call Center

Vehicle stuck in floodwaters on Winters Run Road. Road has also been closed due to high water.

PRINCE GEORGE'S COUNTY --- 0.5 SSW UPPER MARLBORO [38.81, -76.75], 0.5 SE UPPER MARLBORO [38.82, -76.74], 0.3 ENE UPPER MARLBORO [38.82, -76.74], 0.3 SW UPPER MARLBORO [38.82, -76.75]

12/28/23 00:35 EST	0	Flood (due to Heavy Rain)
12/28/23 16:59 EST	0	Source: 911 Call Center

The stream gauge on the Western Branch near Upper Marlboro reached a gauge height of 12 feet. At 12 feet, large parts of Marlboro Race Track Road is flooded with a few feet of water between Marlboro Pike and the Community Center. A water rescue was reported on this road due to a stalled car in flood waters.

An area of low pressure moved along the Atlantic seaboard bringing widespread rainfall amounts of 1.5 to 2.5 inches. This resulted in a few road closures.

(MD-Z001) GARRETT

12/30/23 01:00 EST	0	Winter Weather
12/30/23 19:00 EST	0	

Upslope snow showers behind a departing low pressure system resulted in snowfall accumulations of one to three inches across mountains. Temperatures hovered near to just below freezing, resulting in freezing drizzle accumulating up to a few hundredths across the higher ridges.

VIRGINIA, North

(VA-Z503) WESTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE

Storm Data and Unusual Weather Phenomena - December 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/05/23 20:00 EST		0	Winter Weather
	12/06/23 13:00 EST		0	
Upslope snow showers behind a departing low pressure system resulted in snowfall accumulations of two to four inches across the Allegheny Mountains with one to three inches across the Northern Virginia Blue Ridge.				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND				
	12/10/23 19:00 EST		0	Winter Weather
	12/11/23 10:01 EST		0	
(VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	12/10/23 19:00 EST		0	Winter Storm
	12/11/23 05:22 EST		0	
Low pressure strengthened as it moved northeast with rain changing to snow on the backside of the system. Amounts of two to five inches were reported along the ridges with localized amounts upwards of seven inches along the Virginia Blue Ridge.				
FAIRFAX COUNTY --- 0.7 WSW CENTREVILLE [38.83, -77.43], 0.5 WSW CENTREVILLE [38.83, -77.43], 0.5 WSW CENTREVILLE [38.83, -77.43], 0.6 WSW CENTREVILLE [38.83, -77.43]				
	12/17/23 22:36 EST		0	Flood (due to Heavy Rain)
	12/18/23 05:30 EST		0	Source: 911 Call Center
Intersection of New Braddock Road and Singletons Way high standing water 2 ft deep.				
FAIRFAX COUNTY --- 1.1 WSW TREMONT [38.85, -77.24], 1.1 WSW TREMONT [38.84, -77.24], 0.8 WSW TREMONT [38.85, -77.23], 0.9 W TREMONT [38.85, -77.24]				
	12/17/23 22:42 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center
Flooded roadway at the intersection of Woodburn Road and Spicewood Drive near Accotink Creek.				
FAIRFAX COUNTY --- 1.6 ENE CLARKS CROSSING [38.93, -77.27], 1.5 NNE VIENNA [38.92, -77.26], 1.4 W MC LEAN HAMLET [38.93, -77.26], 1.2 SSE KENMORE [38.93, -77.27]				
	12/17/23 22:45 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center
Flooded roadway at the intersection of Besley Road and Old Courthouse Road.				
PRINCE WILLIAM COUNTY --- 1.9 SSW CATHARPIN [38.82, -77.58], 1.8 NE GAINESVILLE [38.82, -77.58], 1.8 S CATHARPIN [38.82, -77.57], 1.6 S CATHARPIN [38.83, -77.57]				
	12/17/23 23:10 EST		0	Flood (due to Heavy Rain)
	12/18/23 06:30 EST		0	Source: River/Stream Gage
Little Bun Run at Artemus Road (ARTV2) crossed record flood stage at 12:20 AM, and slowly came below flood stage by 06:30 AM.				
STAFFORD COUNTY --- 2.0 WSW STAFFORD [38.41, -77.44], 0.8 SSW AQUIA [38.41, -77.37], 0.8 N MT JOY STORE [38.49, -77.38], 1.4 N MOUNTAIN VIEW [38.49, -77.47]				
	12/18/23 00:50 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center
Over a dozen roads closed in the greater Stafford to Garrisonville area.				
FREDERICKSBURG (C) COUNTY --- 4.8 WSW FREDERICKSBURG ARPT [38.25, -77.53], 3.6 NE FREDERICKSBURG ARPT [38.30, -77.40], 4.1 N FREDERICKSBURG [38.36, -77.47], 4.5 WNW FREDERICKSBURG [38.32, -77.55]				
	12/18/23 00:51 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center
Several roads closed due to standing water in the Greater Fredericksburg area.				
PRINCE WILLIAM COUNTY --- 0.9 E HAYMARKET [38.82, -77.61], 0.9 ESE HAYMARKET [38.81, -77.62], 1.3 NE GAINESVILLE [38.81, -77.58], 1.1 SSE CATHARPIN [38.84, -77.56], 0.5 NW CATHARPIN [38.85, -77.58]				

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	12/18/23 00:53 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center

Several roads closed due to high water along Little Bull Run and adjoining tributaries. Roads closed include Pageland Lane, Artemus Road, Stonewall Farm Drive, Logmill Road and a few others.

LOUDOUN COUNTY --- 2.6 SSE ALDIE [38.93, -77.62], 1.4 SE ALDIE [38.96, -77.61], 2.0 ESE ARCOLA GLASCOCK ARPT [38.91, -77.52], 2.9 SSE ARCOLA GLASCOCK ARPT [38.89, -77.53]

	12/18/23 01:15 EST		0	Flood (due to Heavy Rain)
	12/18/23 05:00 EST		0	Source: 911 Call Center

Braddock Road closed in several spots due to high water.

PRINCE WILLIAM COUNTY --- 1.9 NNE HICKORY GROVE [38.92, -77.61], 2.1 ENE HICKORY GROVE [38.92, -77.60], 1.4 E HICKORY GROVE [38.90, -77.60], 0.8 E HICKORY GROVE [38.90, -77.62]

	12/18/23 01:16 EST		0	Flood (due to Heavy Rain)
	12/18/23 04:00 EST		0	Source: 911 Call Center

Road closure due to flooding at the intersection of Frosty Meadow Lane and Peach Orchard Lane.

LOUDOUN COUNTY --- 1.3 SSE LEESBURG MUNI [39.06, -77.55], 1.1 SSE LEESBURG MUNI [39.06, -77.54], 1.2 SSW LEESBURG MUNI [39.06, -77.56], 1.5 SSW LEESBURG MUNI [39.06, -77.56]

	12/18/23 01:18 EST		0	Flood (due to Heavy Rain)
	12/18/23 05:00 EST		0	Source: 911 Call Center

Road closure due to flooding at the intersection of Sycolin Road and Shreve Mill Road. Other roads closed nearby along Sycolin Creek.

FAIRFAX COUNTY --- 1.0 N RAVENSWORTH [38.81, -77.22], 1.3 NW RAVENSWORTH [38.82, -77.23], 1.2 SSW TREMONT [38.83, -77.23], 1.4 S TREMONT [38.83, -77.22]

	12/18/23 01:33 EST		0	Flood (due to Heavy Rain)
	12/18/23 06:00 EST		0	Source: River/Stream Gage

Accotink Creek in Annandale reached minor flooding at 1:33 AM, eventually leveling off at 9.77'.

An area of low pressure moved along the Atlantic seaboard bringing widespread rainfall amounts of 1.5 to 4 inches. This resulted in numerous creeks, streams, and rivers reaching minor to moderate flood stage. Numerous roads were closed in areas as well.

(VA-Z503) WESTERN HIGHLAND

	12/18/23 16:00 EST		0	Winter Storm
	12/19/23 10:00 EST		0	

A potent upper-level low moved over the Great Lakes bringing four to ten inches of upslope snow across the region. Winds gusted to 40 to 50 mph during the event resulting in widespread blowing and drifting snow.

WEST VIRGINIA, East

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

	12/05/23 16:00 EST		0	Winter Weather
	12/06/23 13:00 EST		0	

Upslope snow showers behind a departing low pressure system resulted in snowfall accumulations of two to four inches across mountains.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

	12/10/23 18:00 EST		0	Winter Storm
	12/11/23 10:01 EST		0	

(WV-Z055) HARDY, (WV-Z506) EASTERN PENDLETON

	12/10/23 19:00 EST		0	Winter Weather
	12/11/23 05:22 EST		0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Low pressure strengthened as it moved northeast with rain changing to snow on the backside of the system. The heaviest snow fell across the higher elevations of the Allegheny Mountains with four to eight inches reported. Further east into portions of the West Virginia Panhandle, localized amounts of two to five inches were reported along the ridges.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

	12/18/23 13:00 EST	0		Winter Storm
	12/19/23 10:00 EST	0		

A potent upper-level low moved over the Great Lakes bringing four to ten inches of upslope snow across the region. Winds gusted to 40 to 50 mph during the event resulting in widespread blowing and drifting snow.

(WV-Z503) WESTERN MINERAL

	12/18/23 16:00 EST	0		Winter Weather
	12/19/23 08:00 EST	0		

A potent upper-level low moved over the Great Lakes bringing two to five inches of upslope snow across the region. Winds gusted to 40 to 50 mph during the event resulting in blowing snow.

(WV-Z501) WESTERN GRANT

	12/30/23 01:00 EST	0		Winter Weather
	12/30/23 19:00 EST	0		

Upslope snow showers behind a departing low pressure system resulted in snowfall accumulations of one to three inches across mountains. Temperatures hovered near to just below freezing, resulting in freezing drizzle accumulating up to a few hundredths across the higher ridges.