

# Flood Event of 11/12/2009 - 11/18/2009

## Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Farmville	16.00	11/13/2009	17.42	6,630	Minor	Appomattox	Appomattox River	Cumberland	Prince Edward
Mattoax	21.00	11/16/2009	24.36	8,710	Minor	Appomattox	Appomattox River	Chesterfield	Amelia

## James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	11/13/2009	20.10	-9,999	Minor	James	James River	Fluvanna	Fluvanna
Richmond	12.00	11/14/2009	13.30	51,800	Minor	James	James River	Henrico	Independent City

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## Weather Summary

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Tropical Storm Ida made landfall near Dauphin Island, Alabama during the morning of November 10th. Ida had previously obtained hurricane strength on the 8th after it emerged in the Gulf of Mexico, but Ida encountered cooler sea surface temperatures and high wind shear as it moved northward towards the Gulf Coast. These unfavorable conditions weakened Ida to a tropical storm with maximum sustained winds of 45 mph by landfall. Ida transitioned to an extratropical cyclone almost immediately after moving ashore, and the moisture associated with the storm began to spread well north of the center. With a strong ridge of high pressure to the north, the extratropical remnants of Ida meandered over Florida and the Carolinas through the 11th. However, the rain from the storm stretched well into Virginia and the southernmost Mid-Atlantic states at this time. These heavy showers continued to lash parts of the Mid-Atlantic through the 12th as the extratropical system redeveloped into an intense coastal storm with tropical storm force wind gusts and dangerous tidal action that resulted in beach erosion and minor coastal flooding. Rain showers lingered over the region through the 14th until the storm finally pushed out of the region, moving northeastward along the east coast of North America. Rainfall totals across the Mid-Atlantic river basins varied from little or no accumulation in Central Pennsylvania to several inches of rain across much of central and eastern Virginia. Parts of coastal Virginia reported more than 12.00 inches of rain, but that amount decreased further inland with Richmond reporting over 5.50 inches of rain and Farmville reporting nearly 5.00 inches of rain with most of this heavy rain falling on the 11th and 12th. This period of heavy rainfall in and around the James and Appomattox River Basins led to minor flooding at two locations along each of the respective rivers. The flood conditions persisted for a few days as rain lingered throughout the area until the 14th. The gauge along the Appomattox River in Mattoax was last of the gauges in the Mid-Atlantic to drop below flood stage with that finally occurring before noon on the 18th

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## Crest Statistics and Flood Information

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First flood of 1 that occurred in Nov, 2009

Fourteenth flood of 17 that occurred in 2009

Number of Floods at MARFC Forecast Points - 4

Number of Floods Cresting in Minor Range - 4

Number of Floods Cresting in Moderate Range - 0

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0