

Flood Event of 10/13/1990 - 10/14/1990

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Hogestown	8.00	10/14/1990	8.54	7,120	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Shermans Dale	9.00	10/13/1990	10.05	8,050	Minor	Main Stem Susquehanna	Sherman Creek	Perry	Perry

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chatham	6.00	10/13/1990	6.12	1,250	Minor	Passaic	Passaic River	Morris	Morris

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Martinsburg	10.00	10/13/1990	14.07	9,270	Moderate	Potomac	Opequon Creek	Berkeley	Berkeley

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Remington	15.00	10/14/1990	17.15	16,900	Minor	Rappahannock	Rappahannock River	Fauquier	Fauquier

Weather Summary

A culmination of many factors attributed to widespread but minor flooding across the Middle Atlantic region. A frontal boundary was pushing eastward ahead of a high pressure that built up over the Midwest on October 11. Simultaneously, Tropical Storm Marco had formed over Cuba and was projected to pass through the eastern side of the Appalachian Mountains. The frontal system remained stationary over the Appalachian Mountains as moisture from Marco and a second storm (then Tropical Storm Klaus) came close to United States. The storms affect the Carolinas before heading northeast to Nova Scotia. The frontal system remained stationary over the Appalachian Mountains with moisture from Marco while a second storm (then Tropical Storm Lili) came close to United States and affected the Carolinas before heading northeast to Nova Scotia. These three systems sandwiched in a small area allowed for copious rainfall across the Middle Atlantic region. Martinsburg, WV received more than 3.5 inches of rainfall in one day.

Crest Statistics and Flood Information

First flood of 2 that occurred in Oct, 1990

Seventh flood of 11 that occurred in 1990

Number of Floods at MARFC Forecast Points - 5

Number of Floods Cresting in Minor Range - 4

Number of Floods Cresting in Moderate Range - 1

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0