

Flood Event of 10/11/2013 - 10/13/2013

Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	10/11/2013	9.47	5,880	Minor	Christina	Brandywine Creek	Delaware	Delaware

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	10/12/2013	11.64	6,240	Moderate	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Hershey	7.00	10/11/2013	7.52	9,660	Minor	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	10/12/2013	8.98	7,260	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Lancaster	11.00	10/11/2013	11.20	8,350	Minor	Conestoga	Conestoga River	Lancaster	Lancaster

Weather Summary

A slow moving/nearly stationary coastal low along the NC Outer Banks funneled an elongated plume of high precipitable water (PW) from the warm Atlantic Gulf Stream into the Mid-Atlantic Region. The GEFS and EC-Ensemble standardized anomalies showed 850 MB U-WIND (easterly) anomalies between -3 AND -4 standard deviations. This correlated well with the axis of maximum low level THETA E and the PW AXIS (1.5 - 1.75 Inches). The NAM/GFS 295-310K surface showed strong isentropic lift across this region. The axis of heavy rain fell across the Del-Marva into southern Pennsylvania with the bulk of it falling from the early morning hours of October 11 into the afternoon. Storm total of 5 inches was common with a couple of points between 11 to 13 inches.

Crest Statistics and Flood Information

First flood of 1 that occurred in Oct, 2013

Fifteenth flood of 17 that occurred in 2013

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