

Flood Event of 7/1/2013 - 7/3/2013

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Pemberton	2.50	7/2/2013	2.50	537	Minor	Delaware	North Branch Rancocas Creek	Burlington	Burlington

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cortland	8.00	7/2/2013	9.83	5,900	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Sherburne	8.50	7/1/2013	11.14	8,580	Major	North Branch Susquehanna	Chenango River	Chenango	Chenango

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Stanton	8.00	7/1/2013	8.75	4,880	Minor	Raritan	South Branch Raritan River	Hunterdon	Hunterdon

Weather Summary

A very wet period continued across the MARFC basins as a very high amplitude pattern remained entrenched over the lower 48 states with a strong and very hot ridge dominating the west and a H5 trof impacting the eastern states. The presence of the nearly stationary H5 trof and slow retrogression of the western Atlantic H5 ridge provided a tightening of the deep layered southerly gradient along the eastern seaboard helping to maintain an axis of very high PWS in excess of 2 inches. The availability of the very deep moisture, favorable right entrance upper jet support and a weak N/S front led to widespread moderate to locally heavy rains. Periods of more enhanced convection occurred as several H5 short waves lifted north in the southerly flow.

Crest Statistics and Flood Information

First flood of 3 that occurred in Jul, 2013

Tenth flood of 17 that occurred in 2013

Number of Floods at MARFC Forecast Points - 4

Number of Floods Cresting in Minor Range - 3

Number of Floods Cresting in Moderate Range - 0

Number of Floods Cresting in Major Range - 1

Number of Floods Cresting in Missing Range - 0