

Flood Event of 12/7/2011 - 12/10/2011

Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	12/8/2011	9.95	7,520	Minor	Christina	Brandywine Creek	Delaware	Delaware

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	12/9/2011	22.50	-9,999	Minor	James	James River	Fluvanna	Fluvanna
Palmyra	17.00	12/8/2011	19.46	14,100	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	12/9/2011	15.51	68,600	Moderate	James	James River	Henrico	Independent City

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Shirleysburg	10.00	12/8/2011	10.40	5,720	Minor	Juniata	Aughwick Creek	Huntingdon	Huntingdon

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Hogestown	8.00	12/9/2011	8.15	6,230	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland

Neshaminy

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Langhorne	9.00	12/8/2011	10.64	8,870	Moderate	Neshaminy	Neshaminy Creek	Bucks	Bucks

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Boonton below Reservoir	5.00	12/8/2011	5.28	1,550	Minor	Passaic	Rockaway River	Morris	Morris
Lodi	6.00	12/8/2011	6.23	2,010	Minor	Passaic	Saddle River	Bergen	Bergen
Mahwah	8.00	12/8/2011	8.36	2,780	Minor	Passaic	Ramapo River	Bergen	Bergen
Wanaque	5.00	12/8/2011	5.58	1,470	Minor	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Dawsonville	7.50	12/7/2011	7.94	2,900	Minor	Potomac	Seneca Creek	Montgomery	Montgomery
Martinsburg	10.00	12/8/2011	10.23	3,070	Minor	Potomac	Opequon Creek	Berkeley	Berkeley

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	12/8/2011	10.79	5,490	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	12/8/2011	28.59	19,100	Minor	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	12/8/2011	14.85	15,000	Minor	Raritan	Raritan River	Somerset	Somerset

Schuylkill

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Norristown	13.00	12/8/2011	13.55	33,100	Minor	Schuylkill	Schuylkill River	Montgomery	Montgomery

Weather Summary

A mid-level short-wave moved out of the southern United States and up the west side of a strong ridge over the western Atlantic. The resulting strong southwesterly flow brought a plume of high precipitable air up the East Coasts resulting in heavy rainfall from the Carolinas in into New England. A large swath of the region saw 25 to 50 mm of rainfall with a few areas receiving over 75 mm of rainfall. Reagan National airport received 78.12 (3.1 inches) of rain on 7 December setting a new daily and monthly rainfall maximum. The rainfall resulted in mostly minor flooding in portions of Mid-Atlantic region where 17 points went over flood stage. All but 3 points experienced minor flooding. Portions taken from Rich Grum NWS WFO-CTP. <http://nws.met.psu.edu/sref/severe/2011/07Dec2011.pdf>.

Source: Grumm NWS WFO CTP

Crest Statistics and Flood Information

First flood of 1 that occurred in Dec, 2011

Eighteenth flood of 18 that occurred in 2011

Number of Floods at MARFC Forecast Points - 17

Number of Floods Cresting in Minor Range - 14

Number of Floods Cresting in Moderate Range - 3

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0