

Flood Event of 4/15/2007 - 4/20/2007

Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	4/15/2007	10.46	8,340	Minor	Christina	Brandywine Creek	Delaware	Delaware

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bridgeville	13.00	4/16/2007	15.21	11,100	Minor	Delaware	Neversink River	Sullivan	Sullivan
Cooks Falls	10.00	4/16/2007	11.46	13,900	Minor	Delaware	Beaver Kill	Delaware	Delaware
Godeffroy	10.00	4/16/2007	10.89	187,005	Minor	Delaware	Neversink River	Orange	Orange
Pemberton	2.50	4/17/2007	3.67	1,470	Moderate	Delaware	North Branch Rancocas Creek	Burlington	Burlington
Trenton	8.50	4/16/2007	13.28	4,050	Major	Delaware	Assunpink Creek	Mercer	Mercer

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	4/17/2007	20.60	-9,999	Minor	James	James River	Fluvanna	Fluvanna
Buchanan	17.00	4/16/2007	17.85	35,100	Minor	James	James River	Botetourt	Botetourt
Lick Run	16.00	4/16/2007	17.18	29,200	Minor	James	James River	Botetourt	Botetourt
Richmond	12.00	4/17/2007	13.82	56,000	Minor	James	James River	Henrico	Independent City

Neshaminy

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Langhorne	9.00	4/16/2007	14.68	18,400	Major	Neshaminy	Neshaminy Creek	Bucks	Bucks

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bainbridge	13.00	4/18/2007	13.14	-9,999	Minor	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Conklin	11.00	4/19/2007	11.57	21,600	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	4/20/2007	11.37	44,600	Minor	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Boonton above Reservoir (Old Site)	5.00	4/16/2007	6.69	4,170	Moderate	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	4/16/2007	8.09	4,200	Major	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	4/17/2007	7.45	2,110	Moderate	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	4/18/2007	11.88	15,800	Major	Passaic	Passaic River	Passaic	Passaic
Lodi	6.00	4/16/2007	12.33	5,050	Major	Passaic	Saddle River	Bergen	Bergen
Macopin Intake Dam	5.50	4/16/2007	6.38	2,010	Minor	Passaic	Pequannock River	Passaic	Passaic
Mahwah	8.00	4/16/2007	10.99	8,870	Moderate	Passaic	Ramapo River	Bergen	Bergen
Millington	8.00	4/17/2007	9.35	1,870	Moderate	Passaic	Passaic River	Somerset	Morris

Pine Brook	19.00	4/17/2007	22.28	5,950	Major	Passaic	Passaic River	Morris	Morris
Pompton Lakes	10.00	4/16/2007	16.99	9,930	Major	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	4/16/2007	21.72	18,000	Major	Passaic	Pompton River	Passaic	Morris
Wanaque	5.00	4/17/2007	6.80	2,270	Moderate	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Great Cacapon	9.00	4/16/2007	14.61	19,200	Minor	Potomac	Cacapon River	Morgan	Morgan
Martinsburg	10.00	4/16/2007	10.59	3,110	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	4/17/2007	17.00	96,000	Minor	Potomac	Potomac River	Frederick	Frederick

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	4/16/2007	19.24	17,100	Major	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	4/16/2007	38.30	56,900	Major	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	4/16/2007	22.10	30,400	Major	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	4/16/2007	13.21	11,400	Moderate	Raritan	North Branch Raritan River	Somerset	Somerset
Stanton	8.00	4/16/2007	12.21	11,000	Major	Raritan	South Branch Raritan River	Hunterdon	Hunterdon

Schuylkill

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Graterford	11.00	4/15/2007	12.43	18,900	Minor	Schuylkill	Perkiomen Creek	Montgomery	Montgomery
Philadelphia	11.00	4/15/2007	11.34	51,200	Minor	Schuylkill	Schuylkill River	Philadelphia	Philadelphia

South Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Petersburg	13.00	4/15/2007	14.07	24,700	Minor	South Branch Potomac	South Branch Potomac River	Grant	Grant
Springfield	15.00	4/16/2007	19.50	33,200	Moderate	South Branch Potomac	South Branch Potomac River	Hampshire	Hampshire

Weather Summary

On April 11, a low which had strengthened rapidly and occluded over Missouri, moved into Michigan as its triple point slid over northern Virginia and across Maryland, exiting the region by April 13. This system provided between 1 and 1.5 inches of rain to the Lower Delaware, Raritan and Passaic Basins; 0.5 - 1 inch to the Upper Delaware, James and Potomac; and about 1.5 inches of snow to the North Branch Susquehanna. On April 14, a new low traveling due east across Texas and the western Gulf Coast states began to move more northward into the Tennessee/North Carolina area where it began to deepen rapidly as it charged into coastal New Jersey on the 16th with a central pressure of 962 mb. With its warm front stretching northeastward along the Mid- Atlantic coast and cold front pulling slightly east of the circulation along the Virginia shores, training showers and storms provided significant rainfall totals across the basins. Between April 14 and 17, the Passaic, Raritan, Upper and Lower Delaware received 4-7 inches while the James and Potomac received between 2 and 4 inches. However, farther north, where temperatures remained much colder, snow totals over the North Branch Susquehanna were 6-12 inches. After the passage of the system, however, temperatures warmed significantly, leading to snowmelt and additional flooding. After the passage of the system, however, temperatures warmed significantly between the 17th and 20th, sufficiently melting the snow over the area and causing flooding after the initial bout of precipitation.

Crest Statistics and Flood Information

First flood of 2 that occurred in Apr, 2007

Fifth flood of 8 that occurred in 2007

Number of Floods at MARFC Forecast Points - 38

Number of Floods Cresting in Minor Range - 18

Number of Floods Cresting in Moderate Range - 8

Number of Floods Cresting in Major Range - 12

Number of Floods Cresting in Missing Range - 0