

# Flood Event of 6/26/2006 - 7/1/2006

## Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	6/28/2006	13.65	16,400	Major	Christina	Brandywine Creek	Delaware	Delaware
Chadds Ford	9.00	6/27/2006	10.09	7,740	Minor	Christina	Brandywine Creek	Delaware	Delaware
Wilmington	11.00	6/28/2006	12.46	17,000	Minor	Christina	Brandywine Creek	New Castle	New Castle

## Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bridgeville	13.00	6/28/2006	16.16	12,500	Minor	Delaware	Neversink River	Sullivan	Sullivan
Cooks Falls	10.00	6/26/2006	12.05	15,600	Minor	Delaware	Beaver Kill	Delaware	Delaware
Cooks Falls	10.00	6/28/2006	20.55	62,400	Major	Delaware	Beaver Kill	Delaware	Delaware
Fishs Eddy	13.00	6/26/2006	13.19	29,000	Minor	Delaware	Delaware River	Delaware	Delaware
Fishs Eddy	13.00	6/28/2006	21.43	77,400	Major	Delaware	Delaware River	Delaware	Delaware
Godeffroy	10.00	6/28/2006	11.08	166,005	Moderate	Delaware	Neversink River	Orange	Orange
Harvard	10.00	6/28/2006	16.61	22,100	Major	Delaware	East Branch Delaware River	Delaware	Delaware
Hawley	11.00	7/1/2006	11.39	10,900	Minor	Lackawaxen	Lackawaxen River	Wayne	Wayne
Hawley	11.00	6/28/2006	18.19	28,000	Moderate	Lackawaxen	Lackawaxen River	Wayne	Wayne
Minisink Hills	10.00	6/29/2006	21.34	-9,999	Major	Brodhead	Brodhead Creek	Monroe	Monroe

Shoemakers	6.00	6/28/2006	7.31	5,380	Moderate	Bush Kill	Bush Kill	Monroe	Cambria
Trenton	8.50	6/28/2006	7.49	1,320	Minor	Delaware	Assunpink Creek	Mercer	Mercer
Walton	9.50	6/28/2006	16.85	28,600	Major	Delaware	West Branch Delaware River	Delaware	Delaware

### James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	6/28/2006	26.00	-9,999	Moderate	James	James River	Fluvanna	Fluvanna
Buchanan	17.00	6/28/2006	21.98	48,300	Moderate	James	James River	Botetourt	Botetourt
Buchanan	17.00	6/26/2006	18.72	37,800	Minor	James	James River	Botetourt	Botetourt
Cartersville	20.00	6/28/2006	21.15	77,500	Minor	James	James River	Goochland	Cumberland
Holcomb Rock	22.00	6/28/2006	22.74	66,800	Minor	James	James River	Bedford	Bedford
Lick Run	16.00	6/27/2006	19.79	37,100	Minor	James	James River	Botetourt	Botetourt
Richmond	12.00	6/29/2006	15.81	75,500	Moderate	James	James River	Henrico	Independent City
Scottsville	20.00	6/27/2006	20.26	71,200	Minor	James	James River	Albemarle	Albemarle

### Lehigh

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bethlehem	16.00	6/28/2006	17.74	49,000	Minor	Lehigh	Lehigh River	Lehigh	Northampton
Lehighton	10.00	6/28/2006	13.50	25,500	Moderate	Lehigh	Lehigh River	Carbon	Carbon
Walnutport	8.00	6/28/2006	12.49	41,100	Moderate	Lehigh	Lehigh River	Northampton	Northampton

Walnutport	8.00	6/26/2006	8.32	19,400	Minor	Lehigh	Lehigh River	Northampton	Northampton
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### Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Barryville	17.00	6/28/2006	28.97	151,000	Major	Main Stem Delaware	Delaware River	Sullivan	Sullivan
Belvidere	22.00	6/29/2006	27.16	225,000	Major	Main Stem Delaware	Delaware River	Warren	Warren
Callicoon	12.00	6/28/2006	20.38	144,000	Major	Main Stem Delaware	Delaware River	Wayne	Sullivan
Delaware Water Gap	21.00	6/29/2006	33.87	225,000	Major	Main Stem Delaware	Delaware River	Warren	Monroe
Easton (Phillipsburg, NJ)	22.00	6/29/2006	37.09	-9,999	Major	Main Stem Delaware	Delaware River	Warren	Northampton
Frenchtown	16.00	6/29/2006	22.90	-9,999	Major	Main Stem Delaware	Delaware River	Hunterdon	Hunterdon
Hale Eddy	11.00	6/28/2006	19.10	43,400	Major	Main Stem Delaware	West Branch Delaware River	Delaware	Delaware
Montague	25.00	6/28/2006	32.15	212,000	Moderate	Main Stem Delaware	Delaware River	Pike	Sussex
New Hope (Lambertville, NJ)	13.00	6/29/2006	19.08	-9,999	Major	Main Stem Delaware	Delaware River	Hunterdon	Bucks
Port Jervis	18.00	6/28/2006	21.47	189,000	Minor	Main Stem Delaware	Delaware River	Pike	Orange
Riegelsville	22.00	6/29/2006	33.62	254,000	Major	Main Stem Delaware	Delaware River	Warren	Bucks
Stockton	18.00	6/29/2006	25.39	-9,999	Major	Main Stem Delaware	Delaware River	Hunterdon	Hunterdon
Trenton	20.00	6/29/2006	25.09	237,000	Major	Main Stem Delaware	Delaware River	Mercer	Mercer
Washington Crossing	20.00	6/29/2006	22.54	-9,999	Moderate	Main Stem Delaware	Delaware River	Mercer	Bucks

## Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bloomsburg	19.00	6/28/2006	28.64	-9,999	Major	Upper Main Stem Susquehanna	Susquehanna River	Columbia	Columbia
Camp Hill	7.00	6/28/2006	9.70	4,400	Moderate	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Conowingo	23.50	6/29/2006	27.31	461,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Harford	Cecil
Danville	20.00	6/28/2006	28.19	260,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Montour	Montour
Harper Tavern	9.00	6/28/2006	18.28	28,300	Major	Swatara	Swatara Creek	Lebanon	Lebanon
Harrisburg	17.00	6/29/2006	19.66	383,000	Minor	Lower Main Stem Susquehanna	Susquehanna River	Dauphin	Dauphin
Hershey	7.00	6/29/2006	16.12	31,700	Major	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	6/28/2006	10.05	9,560	Moderate	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Lancaster	11.00	6/28/2006	14.70	14,000	Moderate	Conestoga	Conestoga River	Lancaster	Lancaster
Marietta	49.00	6/29/2006	52.53	421,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Lancaster	Lancaster
Meshoppen	27.00	6/28/2006	32.78	163,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Wyoming	Wyoming
Middletown (Old Site)	11.00	6/28/2006	20.60	-9,999	Major	Lower Main Stem Susquehanna	Swatara Creek	Dauphin	Dauphin
Old Forge	11.00	6/27/2006	13.39	17,100	Moderate	Lackawanna	Lackawaxen River	Lackawanna	Lackawanna
Shermans Dale	9.00	6/28/2006	11.83	10,800	Moderate	Lower Main Stem Susquehanna	Sherman Creek	Perry	Perry
Sunbury	24.00	6/28/2006	26.89	330,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Snyder	Northumberland
Towanda	16.00	6/29/2006	20.83	141,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford

Tunkhannock	11.00	6/28/2006	20.90	39,500	Major	Upper Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming
Wilkes-Barre	22.00	6/28/2006	34.14	218,000	Major	Upper Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

### Neshaminy

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Langhorne	9.00	6/28/2006	13.87	16,300	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	6/29/2006	27.05	58,700	Major	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Binghamton	14.00	6/28/2006	25.00	-9,999	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Chenango Forks	10.00	6/28/2006	13.74	41,500	Moderate	North Branch Susquehanna	Chenango River	Broome	Broome
Cincinnatus	9.00	6/28/2006	9.59	6,480	Minor	North Branch Susquehanna	Otselic River	Cortland	Cortland
Conklin	11.00	6/28/2006	25.02	76,800	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	6/28/2006	10.95	7,620	Moderate	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Greene	13.00	6/28/2006	21.16	27,100	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango
Owego	30.00	6/29/2006	35.90	127,000	Major	North Branch Susquehanna	North Branch Susquehanna River	Tioga	Tioga
Rockdale	11.00	6/28/2006	13.96	23,100	Major	North Branch Susquehanna	Unadilla River	Chenango	Chenango
Sherburne	8.00	6/28/2006	11.35	11,400	Major	North Branch Susquehanna	Chenango River	Chenango	Chenango
Unadilla	11.00	6/29/2006	17.72	35,100	Major	North Branch Susquehanna	North Branch Susquehanna River	Otsego	Otsego

Vestal	18.00	6/28/2006	33.66	119,000	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	6/29/2006	22.52	128,000	Major	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga
Windsor	17.00	6/29/2006	24.27	55,900	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome

### Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Lodi	6.00	6/28/2006	6.09	1,840	Minor	Passaic	Saddle River	Bergen	Bergen
Pompton Lakes	9.00	6/28/2006	9.16	1,490	Minor	Passaic	Ramapo River	Passaic	Passaic

### Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Dawsonville	7.50	6/26/2006	10.29	6,530	Minor	Potomac	Seneca Creek	Montgomery	Montgomery
Frederick	15.00	6/28/2006	15.29	14,500	Minor	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Martinsburg	10.00	6/28/2006	12.80	6,330	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Sharpsburg	8.00	6/28/2006	10.85	6,240	Moderate	Potomac	Antietam Creek	Washington	Washington

### Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bound Brook	28.00	6/29/2006	28.24	18,500	Minor	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	6/28/2006	15.76	17,900	Minor	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	6/28/2006	10.71	10,700	Minor	Raritan	North Branch Raritan River	Somerset	Somerset

Stanton	8.00	6/28/2006	9.33	5,720	Minor	Raritan	South Branch Raritan River	Hunterdon	Hunterdon
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### Schuylkill

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Berne	12.00	6/28/2006	18.57	39,900	Major	Schuylkill	Schuylkill River	Berks	Berks
Graterford	11.00	6/28/2006	13.66	22,700	Moderate	Schuylkill	Perkiomen Creek	Montgomery	Montgomery
Norristown	17.00	6/28/2006	19.13	78,400	Moderate	Schuylkill	Schuylkill River	Montgomery	Montgomery
Philadelphia	11.00	6/28/2006	12.51	68,100	Minor	Schuylkill	Schuylkill River	Philadelphia	Philadelphia
Pottstown	13.00	6/29/2006	20.84	50,300	Moderate	Schuylkill	Schuylkill River	Montgomery	Montgomery
Reading	13.00	6/28/2006	23.75	55,100	Major	Schuylkill	Schuylkill River	Berks	Berks

### South Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Franklin	7.00	6/27/2006	7.74	7,330	Minor	South Branch Potomac	South Branch Potomac River	Pendleton	Pendleton

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## Weather Summary

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Between June 23 and 30, meridional flow over the U.S., with high pressures in the Southwest and over the Atlantic, provided the Northeast with very humid air. Meanwhile, a closed low over Hudson Bay pushed cooler air into the Mid Atlantic, allowing a stationary front to form over the East coast of the U.S. bringing steady and locally very heavy rain into the Mid-Atlantic region between the 23rd and 27th. The lows that progressed into the Mid Atlantic from the upper low positioned in Canada brought even more rain to the region over the 27th and 29th as they essentially became stationary fronts with their motion blocked by the high off the Atlantic coast. The basins most affected included Upper/Lower Delaware, North Branch, Upper/Lower Main Stem, James and (locally) the Potomac. Since the majority of the rain accumulated due to the lines of thunderstorms which filled the region, disparities in daily local totals (even for locations usually deemed “nearby”) varied greatly. From the 23rd to the 29th, total precipitation amounts ranged from 6-8 inches over the North Branch, Upper Delaware and Upper Main Stem; 6-9 inches over the Lower Main Stem; 8-10 inches over the Schuylkill and Lehigh Basins; 4-6 inches over the Lower Delaware; 5-7 inches over the Monocacy River (a tributary of the Potomac near the mouth); 9-11 inches over the headwaters of the James; 6-8 inches over the mid-James; and 4-6 inches over the lower James.

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## Crest Statistics and Flood Information

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Second flood of 2 that occurred in Jun, 2006

Sixth flood of 12 that occurred in 2006

Number of Floods at MARFC Forecast Points - 92

Number of Floods Cresting in Minor Range - 28

Number of Floods Cresting in Moderate Range - 28

Number of Floods Cresting in Major Range - 36

Number of Floods Cresting in Missing Range - 0