

Flood Event of 3/28/2005 - 3/31/2005

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Richmond	12.00	3/30/2005	12.17	43,200	Minor	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	3/29/2005	12.52	9,720	Moderate	Juniata	Aughwick Creek	Huntingdon	Huntingdon

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	3/29/2005	7.97	3,070	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harper Tavern	9.00	3/29/2005	11.02	10,100	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Harrisburg	17.00	3/30/2005	17.43	321,000	Minor	Susquehanna	Susquehanna River	Dauphin	Dauphin
Hershey	7.00	3/29/2005	7.51	9,970	Minor	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	3/29/2005	9.33	8,180	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Marietta	49.00	3/30/2005	50.25	339,000	Minor	Susquehanna	Susquehanna River	Lancaster	Lancaster
Shermans Dale	9.00	3/29/2005	9.68	7,200	Minor	Main Stem Susquehanna	Sherman Creek	Perry	Perry

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Cooks Falls	10.00	3/29/2005	10.42	10,600	Minor	Delaware	Beaver Kill	Delaware	Delaware
Trenton	8.50	3/28/2005	7.33	1,160	Minor	Delaware	Assunpink Creek	Mercer	Mercer

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bainbridge	13.00	3/29/2005	15.25	-9,999	Minor	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Conklin	11.00	3/29/2005	15.09	35,000	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Vestal	18.00	3/29/2005	20.51	-9,999	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	3/30/2005	15.08	66,600	Minor	North Branch Susquehanna	North Branch Susquehanna River	Tioga	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	3/29/2005	5.47	2,530	Minor	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	3/29/2005	6.29	2,350	Minor	Passaic	Rockaway River	Morris	Morris
Little Falls	7.00	3/31/2005	7.50	7,210	Minor	Passaic	Passaic River	Passaic	Passaic
Macopin Intake Dam	5.50	3/29/2005	5.59	1,170	Minor	Passaic	Pequannock River	Passaic	Passaic
Pine Brook	19.00	3/31/2005	19.41	3,180	Minor	Passaic	Passaic River	Morris	Morris
Pompton Lakes	9.00	3/29/2005	10.58	3,390	Missing	Passaic	Ramapo River	Passaic	Passaic
Wanaque	5.00	3/29/2005	5.55	1,290	Minor	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cumberland	10.00	3/29/2005	11.41	14,600	Minor	Potomac	Wills Creek	Allegany	Allegany
Cumberland	17.00	3/29/2005	17.88	24,100	Minor	Potomac	North Branch Potomac River	Allegany	Allegany
Fairview	10.00	3/29/2005	11.44	9,740	Minor	Potomac	Conococheague Creek	Washington	Washington
Frederick	15.00	3/29/2005	15.69	15,100	Minor	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Great Cacapon	9.00	3/29/2005	10.21	9,090	Minor	Potomac	Cacapon River	Morgan	Morgan
Little Falls (Washington DC)	10.00	3/30/2005	10.28	140,000	Minor	Potomac	Potomac River	Montgomery	Montgomery
Martinsburg	10.00	3/29/2005	12.02	5,030	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Paw Paw	25.00	3/29/2005	27.39	58,500	Minor	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	3/30/2005	19.37	116,000	Minor	Potomac	Potomac River	Frederick	Frederick
Sharpsburg	8.00	3/28/2005	9.36	4,840	Minor	Potomac	Antietam Creek	Washington	Washington

Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	3/29/2005	9.51	6,800	Minor	Delaware	Brandywine Creek	Delaware	Delaware
Graterford	11.00	3/28/2005	11.18	15,300	Minor	Schuylkill	Perkiomen Creek	Montgomery	Montgomery

Upper Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Bloomsburg	19.00	3/30/2005	21.37	-9,999	Minor	Main Stem Susquehanna	Susquehanna River	Columbia	Columbia
Danville	20.00	3/30/2005	20.86	154,000	Minor	Main Stem Susquehanna	Susquehanna River	Montour	Montour
Meshoppen	27.00	3/29/2005	28.49	113,000	Minor	Main Stem Susquehanna	Susquehanna River	Wyoming	Wyoming
Tunkhannock	11.00	3/29/2005	12.06	15,500	Minor	Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming
Wilkes-Barre	22.00	3/29/2005	26.05	148,000	Moderate	Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

Weather Summary

The month of March brought the North Branch Susquehanna Basin nearly double the normal amount of snow. A rapidly deepening low moving up the Atlantic coast, fueled by warm, moist air from the Gulf of Mexico, surged into the Mid-Atlantic region on March 27. The tight circulation of the system provided the strong southerly winds which pushed warm, moist air northward into the snow covered North Branch of the Susquehanna which region combined with 1 - 2 inches of rain from the system proved to be too much for the basin to handle. Further south over the Upper and Lower Main Stem, Potomac and James River Basins, totals ranged from 1.5 to 2.5 inches while further east, the Passaic and Raritan Basins received 2 to 3 inches.

Crest Statistics and Flood Information

First flood of 1 that occurred in Mar, 2005

Second flood of 8 that occurred in 2005

Number of Floods at MARFC Forecast Points - 39

Number of Floods Cresting in Minor Range - 35

Number of Floods Cresting in Moderate Range - 3

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 1