

## Flood Event of 1/27/1996 - 1/29/1996

### James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	1/28/1996	20.40	43,000	Minor	James	James River	Fluvanna	Fluvanna
Palmyra	17.00	1/27/1996	17.93	11,600	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	1/29/1996	13.87	55,900	Minor	James	James River	Henrico	Independent City

### Lehigh

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Lehighton	10.00	1/27/1996	12.55	22,900	Moderate	Lehigh	Lehigh River	Carbon	Carbon

### Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	1/27/1996	8.75	3,490	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harper Tavern	9.00	1/28/1996	12.49	12,600	Moderate	Swatara	Swatara Creek	Lebanon	Lebanon
Hershey	7.00	1/28/1996	9.11	13,500	Minor	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	1/28/1996	9.24	8,450	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Middletown (Old Site)	11.00	1/28/1996	13.00	-9,999	Minor	Main Stem Susquehanna	Swatara Creek	Dauphin	Dauphin
Penns Creek	8.00	1/27/1996	8.24	5,960	Minor	Susquehanna	Penns Creek	Union	Snyder
Shermans Dale	9.00	1/27/1996	11.70	10,600	Moderate	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
Cooks Falls	10.00	1/27/1996	11.33	13,200	Minor	Delaware	Beaver Kill	Delaware	Delaware
Easton (Phillipsburg, NJ)	22.00	1/28/1996	22.38	-9,999	Minor	Delaware	Delaware River	Warren	Northampton
Minisink Hills	10.00	1/27/1996	11.26	20,100	Minor	Delaware	Brodhead Creek	Monroe	Monroe
Shoemakers	6.00	1/27/1996	7.01	4,990	Moderate	Bush Kill	Bush Kill	Monroe	Cambria

### North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Conklin	11.00	1/27/1996	11.95	23,200	Minor	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
Boonton above Reservoir (Old Site)	5.00	1/28/1996	5.65	2,660	Minor	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	1/28/1996	7.27	3,400	Moderate	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	1/27/1996	6.00	1,180	Minor	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	1/29/1996	8.82	9,440	Moderate	Passaic	Passaic River	Passaic	Passaic
Lodi	5.00	1/27/1996	6.08	1,860	Minor	Passaic	Saddle River	Bergen	Bergen
Mahwah	8.00	1/28/1996	8.69	3,420	Minor	Passaic	Ramapo River	Bergen	Bergen
Pine Brook	19.00	1/29/1996	20.36	4,340	Moderate	Passaic	Passaic River	Morris	Morris

Pompton Lakes	11.70	1/28/1996	12.52	4,740	Minor	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	1/28/1996	16.96	9,490	Minor	Passaic	Pompton River	Passaic	Morris

### Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Frederick	15.00	1/28/1996	16.32	18,400	Minor	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Martinsburg	10.00	1/27/1996	10.86	3,510	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	1/28/1996	16.53	92,200	Minor	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	1/28/1996	15.00	-9,999	Minor	Potomac	Potomac River	Jefferson	Jefferson

### Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	1/28/1996	9.89	5,240	Minor	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	1/28/1996	28.39	18,900	Minor	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	1/28/1996	14.30	12,100	Minor	Raritan	Raritan River	Somerset	Somerset

### Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Berne	12.00	1/27/1996	13.90	20,600	Minor	Schuylkill	Schuylkill River	Berks	Berks
Langhorne	9.00	1/27/1996	10.25	7,950	Moderate	Neshaminy	Neshaminy Creek	Bucks	Bucks

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## West Branch Susquehanna

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Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Loyalsockville	12.00	1/27/1996	12.18	20,000	Minor	West Branch Susquehanna	Loyalsock Creek	Lycoming	Lycoming

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## Weather Summary

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A culmination of events led to this widespread flood event. The northeast, having little time to recover from the previous flood event, experienced another low pressure system tracking over the region and bringing its share of wintry precipitation a few days prior to this event. Then an even stronger low developed due predominately to a cold air damming scenario setting up along the East Coast. As the low moved eastward, it pulled moisture up from the Gulf of Mexico. However, due to the cold air in place along the East Coast the low then headed in a more northerly track and ran into the Great Lakes. It strengthen also from the waters there (most of the lakes were probably still unfrozen) as it headed into Ontario. Thunderstorms associated with high winds and heavy rains soaked many of the states with up to 2 inches of rain. New York experienced snow as well and in some places totals exceeded 15 inches.

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## Crest Statistics and Flood Information

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Second flood of 2 that occurred in Jan, 1996

Second flood of 22 that occurred in 1996

Number of Floods at MARFC Forecast Points - 35

Number of Floods Cresting in Minor Range - 27

Number of Floods Cresting in Moderate Range - 8

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0