

# Flood Event of 1/28/1994 - 1/31/1994

## Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Trenton	8.50	1/28/1994	11.67	3,230	Major	Delaware	Assunpink Creek	Mercer	Mercer

## Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chatham	6.00	1/30/1994	7.02	1,970	Minor	Passaic	Passaic River	Morris	Morris
Pine Brook	19.00	1/31/1994	19.06	3,160	Minor	Passaic	Passaic River	Morris	Morris

## Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	1/29/1994	13.88	10,500	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	1/29/1994	30.00	22,900	Moderate	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	1/29/1994	15.55	14,900	Minor	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	1/29/1994	10.19	10,000	Minor	Raritan	North Branch Raritan River	Somerset	Somerset

## Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	1/28/1994	12.00	10,100	Moderate	Delaware	Brandywine Creek	Delaware	Delaware
Langhorne	9.00	1/28/1994	13.63	15,200	Major	Neshaminy	Neshaminy Creek	Bucks	Bucks

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## Weather Summary

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Prior to this flood event, a strong cold air damming scenario setup along the Middle Atlantic Region and stretched southwest into Georgia. With the cold air damming in place, a low pressure system strengthened over the Midwest and plowed eastward into the Appalachian Mountains. Its track took it along the southern edge of the Great Lakes and through Pennsylvania, New Jersey, and the New England States. In Pennsylvania, many of the mountainous regions received freezing rain (ranging from a quarter to a half an inch) on top of the previous snowfalls and the heavy accumulations caused downed power lines and collapsed building structures. High winds were also reported in places east of the Laurel Mountains due to downsloping winds. In New Jersey, the warm front associated with this storm prompted 3 to 6 inches of snow to fall before coming through and raising temperatures immediately thereafter. Flooding ensued after the snow melting and changed over to heavy rainfall.

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## Crest Statistics and Flood Information

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First flood of 1 that occurred in Jan, 1994

First flood of 14 that occurred in 1994

Number of Floods at MARFC Forecast Points - 9

Number of Floods Cresting in Minor Range - 4

Number of Floods Cresting in Moderate Range - 3

Number of Floods Cresting in Major Range - 2

Number of Floods Cresting in Missing Range - 0