

# Flood Event of 5/11/1998 - 5/13/1998

## Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Pemberton	2.70	5/11/1998	3.60	1,490	Moderate	Delaware	North Branch Rancocas Creek	Burlington	Burlington

## Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chatham	6.00	5/11/1998	6.19	1,290	Minor	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	5/13/1998	8.57	8,950	Moderate	Passaic	Passaic River	Passaic	Passaic
Macopin Intake Dam	5.50	5/11/1998	5.97	1,600	Minor	Passaic	Pequannock River	Passaic	Passaic
Mahwah	8.00	5/11/1998	8.01	3,340	Minor	Passaic	Ramapo River	Bergen	Bergen
Pine Brook	19.00	5/13/1998	20.10	4,020	Moderate	Passaic	Passaic River	Morris	Morris
Pompton Lakes	11.70	5/11/1998	12.00	3,280	Minor	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	5/12/1998	16.32	8,620	Minor	Passaic	Pompton River	Passaic	Morris
Wanaque	5.00	5/11/1998	6.02	1,590	Moderate	Passaic	Wanaque River	Passaic	Passaic

## Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	5/11/1998	9.69	5,030	Minor	Raritan	Millstone River	Somerset	Somerset

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## Weather Summary

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A low pressure system stalled off the coast of New Jersey and dropped rain across the state for nearly five straight days. Behind the low came another low which merged with the first system and amplified the rainfall. A strong high pressure system in Canada prompted northeasterly flow with the low pressure while blocking it from tracking northward. Reanalysis data also depicts a blocking ridge out over the Atlantic Ocean at upper levels suggesting that it aided in stalling the advancement of this low pressure system to the east. Storm totals ranged from 2 to almost 6 inches. A recent full moon also increased the tides along the coast and allowed for tidal flooding.

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## Crest Statistics and Flood Information

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Second flood of 2 that occurred in May, 1998

Thirteenth flood of 14 that occurred in 1998

Number of Floods at MARFC Forecast Points - 10

Number of Floods Cresting in Minor Range - 6

Number of Floods Cresting in Moderate Range - 4

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0