

Flood Event of 3/27/2007 - 3/28/2007

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bainbridge	13.00	3/28/2007	15.34	22,500	Minor	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Conklin	11.00	3/28/2007	12.64	25,100	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	3/27/2007	9.54	5,810	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Sherburne	8.00	3/27/2007	8.62	3,910	Minor	North Branch Susquehanna	Chenango River	Chenango	Chenango
Vestal	18.00	3/28/2007	18.33	40,336	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	3/27/2007	12.29	50,300	Minor	North Branch Susquehanna	North Branch Susquehanna River	Tioga	Tioga

Weather Summary

As a result of the system which passed through the northern Susquehanna Basins nearly two weeks prior, significant precipitation in the form of snow fell over the recently flooded basins as much colder temperatures swept through the region. In fact, the North Branch Susquehanna between the 18th and 20th received between 4 and 8 inches of snow during this shot of colder weather. However, almost immediately after receiving the additional frozen precipitation, temperatures began to increase as a large high pressure moved off the Mid Atlantic coast, forcing air from the Gulf Coast northwards into the area. As this high continued towards the east on the 23rd, a high located much further south in the Gulf of Mexico, parked itself over the water for the next week. By March 24, all of the snow over the North Branch Susquehanna had melted. A shortwave from Alberta dropped into Minnesota on the 25th and began its parade eastward into the New York area. The warm front associated with the new low, containing the majority of the moisture present in the system, moved into New York, dumping between .5 and 1.5 inches of rain over the North Branch Susquehanna with the higher totals at the headwaters located in the northern portion of the basin.

Crest Statistics and Flood Information

Third flood of 3 that occurred in Mar, 2007

Fourth flood of 8 that occurred in 2007

Number of Floods at MARFC Forecast Points - 6

Number of Floods Cresting in Minor Range - 6

Number of Floods Cresting in Moderate Range - 0

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0