

Flood Event of 5/3/2010 - 5/3/2010

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	5/3/2010	7.11	2,600	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland

Weather Summary

Central Pennsylvania was affected by a cold front with an area of training heavy showers and few strong to severe TSRA Sunday evening (May 2) into early Monday morning (May 3). Situational Awareness was high leading up to this event, though the Central Mountains and Middle Susquehanna Valley escaped the stronger storms and heavy rain thanks to extensive mid clouds and some earlier showers that held temperatures in the 70s and greatly reduced the near surface based instability. Still storm total of 0.75 to 1.00 inch occurred along a line from Johnstown to State College and Selinsgrove, with less to the north and locally much higher amounts to the south. A band of very heavy rain (approximately 20 miles wide) totaling 3-4 inches occurred along Interstate 81 from Shippensburg to Harrisburg and Jonestown. Low to mid-level shear and perceptible water was anomalously high, and indicated that places receiving some decent heating via breaks in the clouds Sunday could result in locally severe storms and rotating updrafts. This occurred across the Lower Susquehanna valley, but to a muted degree.

Crest Statistics and Flood Information

First flood of 2 that occurred in May, 2010

Sixth flood of 10 that occurred in 2010

Number of Floods at MARFC Forecast Points - 1

Number of Floods Cresting in Minor Range - 1

Number of Floods Cresting in Moderate Range - 0

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0