

Flood Event of 9/2/2006 - 9/3/2006

Chemung

| Site | Flood Stage | Date | Crest | Flow | Category | Basin | Stream | County of Gage | County of Forecast Point |
|--------|-------------|----------|-------|--------|----------|---------|---------------|----------------|--------------------------|
| Elmira | 12.00 | 9/3/2006 | 12.19 | -9,999 | Minor | Chemung | Chemung River | Chemung | Chemung |

Lower Main Stem Susquehanna

| Site | Flood Stage | Date | Crest | Flow | Category | Basin | Stream | County of Gage | County of Forecast Point |
|-------------|-------------|----------|-------|-------|----------|-------------|-------------|----------------|--------------------------|
| Penns Creek | 8.00 | 9/2/2006 | 8.31 | 6,070 | Minor | Susquehanna | Penns Creek | Union | Snyder |

Southeastern Pennsylvania

| Site | Flood Stage | Date | Crest | Flow | Category | Basin | Stream | County of Gage | County of Forecast Point |
|-----------|-------------|----------|-------|-------|----------|-----------|-----------------|----------------|--------------------------|
| Langhorne | 9.00 | 9/2/2006 | 10.97 | 9,940 | Moderate | Neshaminy | Neshaminy Creek | Bucks | Bucks |

Weather Summary

In the few days prior to the event, a couple systems brought heavy rain to the region with locally high totals in the areas which flooded later in the week. A stationary front, which had set up from east to west across Mason-Dixon Line, contained several weak low pressure centers moving eastward towards Pennsylvania. Between August 25 and 30, two systems traveling along the boundary strengthened upon passing through the Lower Great Lakes states of Illinois, Indiana and Ohio, providing southeastern and south central Pennsylvania with nearly 4 and over 5 inches of rain respectively. The Chemung Basin in New York had already received above average precipitation, but after systems brought an additional 3 inches to the basin, totals for August doubled the monthly average. Tropical Storm Ernesto, which made its landfall on September 1st just south of Cape Fear, NC, moved northwards across the Chesapeake Bay on the 2nd and further inland toward Lake Ontario on the 3rd. The system brought additional heavy rain to the region, but caused local flooding along the Neshaminy Creek of the Delaware River (southeastern PA), Penn's Creek of the Lower Main Stem Susquehanna (south-central PA) and Chemung (western NY) where, in general, totals remained between 2 and 4 inches.

Crest Statistics and Flood Information

First flood of 1 that occurred in Sep, 2006

Eighth flood of 12 that occurred in 2006

Number of Floods at MARFC Forecast Points - 3

Number of Floods Cresting in Minor Range - 2

Number of Floods Cresting in Moderate Range - 1

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0