

Flood Event of 12/30/2013 - 12/30/2013

Potomac

| Site | Flood Stage | Date | Crest | Flow | Category | Basin | Stream | County of Gage | County of Forecast Point |
|---------------|-------------|------------|-------|-------|----------|---------|---------------|----------------|--------------------------|
| Great Cacapon | 9.00 | 12/30/2013 | 9.36 | 7,630 | Minor | Potomac | Cacapon River | Morgan | Morgan |
| Martinsburg | 10.00 | 12/30/2013 | 10.50 | 3,250 | Minor | Potomac | Opequon Creek | Berkeley | Berkeley |

Weather Summary

A warm front spread milder air across the basins beginning on Dec 28. A sharp southern stream shortwave led to low pressure developing across the southeastern states early Dec 29. The low moved NNE along the eastern seaboard and produced widespread moderate to heavy rain on December 28-29. Max low level moisture transport/flux convergence and axis of higher PWS coincided with vigorous upper level divergence/diffuence. Precipitable water of 1.5 - 1.75 inches ran up the Mid Atlantic Coastal Plain which is on the order of 2.5 – 3.0 standard deviations above normal. Three quarters to one and half inches of rain was common across the basins with possibly locally heavier amounts in the middle Potomac basin.

Crest Statistics and Flood Information

Second flood of 2 that occurred in Dec, 2013
Seventeenth flood of 17 that occurred in 2013
Number of Floods at MARFC Forecast Points - 2

Number of Floods Cresting in Minor Range - 2
Number of Floods Cresting in Moderate Range - 0
Number of Floods Cresting in Major Range - 0
Number of Floods Cresting in Missing Range - 0