

Flood Event of 9/30/1924 - 10/1/1924

Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	9/30/1924	9.60	6,200	Minor	Christina	Brandywine Creek	Delaware	Delaware

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cooks Falls	10.00	10/1/1924	13.00	10,400	Minor	Delaware	Beaver Kill	Delaware	Delaware
Cooks Falls	10.00	9/30/1924	15.00	13,400	Minor	Delaware	Beaver Kill	Delaware	Delaware
Fishs Eddy	13.00	9/30/1924	19.00	45,000	Major	Delaware	Delaware River	Delaware	Delaware

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cartersville	20.00	10/1/1924	24.38	103,000	Moderate	James	James River	Goochland	Cumberland
Scottsville	20.00	10/1/1924	-9999.00	80,000	Missing	James	James River	Albemarle	Albermarle

Lehigh

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bethlehem	16.00	10/1/1924	16.20	43,500	Minor	Lehigh	Lehigh River	Lehigh	Northampton

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Hale Eddy	11.00	9/30/1924	15.80	26,500	Major	Main Stem Delaware	West Branch Delaware River	Delaware	Delaware
Riegelsville	22.00	10/1/1924	24.20	132,000	Minor	Main Stem Delaware	Delaware River	Warren	Bucks

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Harper Tavern	9.00	10/1/1924	13.20	14,200	Moderate	Swatara	Swatara Creek	Lebanon	Lebanon
Towanda	16.00	10/1/1924	16.80	119,000	Minor	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Tunkhannock	11.00	9/30/1924	13.10	27,400	Minor	Upper Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chenango Forks	10.00	9/30/1924	12.45	29,400	Minor	North Branch Susquehanna	Chenango River	Broome	Broome
Conklin	11.00	9/30/1924	16.86	44,000	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Sherburne	8.00	9/30/1924	9.60	-999	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Fredericksburg (Old Site)	18.00	10/1/1924	22.80	-9,999	Moderate	Rappahannock	Rappahannock River	Spotsylvania	Independent City

Weather Summary

Tropical Storm Eight forms as a relatively weak storm in the Gulf of Mexico on September 28. It made landfall in the Panhandle of Florida on September 29 and rapidly moved northward along the Atlantic Coast. Tropical Storm Eight intensified on September 30 over North Carolina and became an extratropical storm. Richmond county reported 4.6" of rain. Leeds Manor (4.00"), Stuart (4.20"), Urbanna (3.8") and Winchester (2.05") set 24- hour rainfall records for September. Roth, David and Hugh Cobb. "Virginia Hurricane History" <http://www.hpc.ncep.noaa.gov/research/roth/vahur.htm> - Maddox Synoptic with tropical system - This event had a strong tropical connection with a retreating massive surface anticyclone along the East Coast and a trough coming from the western Gulf of Mexico. This brought up a deep plume of high PW air and strong southerly flow. A classic hybrid event of Maddox-Synoptic interacting with a plume of tropical moisture like TS Lee. It is interesting to note a similar but weaker system brought rain to the region on or about 22 September. Critical for antecedent conditions. – (Rich Grumm National Weather Service State College, PA)

Source: Roth, David and Hugh Cobb. "Virginia Hurricane History" <http://www.hpc.ncep.noaa.gov/research/roth/vahur.htm> - Grumm NWS WFO CTP

Crest Statistics and Flood Information

First flood of 1 that occurred in Sep, 1924

Eighth flood of 8 that occurred in 1924

Number of Floods at MARFC Forecast Points - 16

Number of Floods Cresting in Minor Range - 8

Number of Floods Cresting in Moderate Range - 5

Number of Floods Cresting in Major Range - 2

Number of Floods Cresting in Missing Range - 1