

Flood Event of 5/13/1974 - 5/13/1974

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Lick Run	16.00	5/13/1974	17.51	28,300	Minor	James	James River	Botetourt	Botetourt

Weather Summary

Beginning on May 10th 1974, a surface low in Canada had an extending cold front that was passing through the state of NJ. The county of Passaic, NJ experienced about 1 inch of rain in many locations. On May 11th 1974, there was a small trough off the coast in the Atlantic that was influencing the area and bringing onshore breezes and rain to coastal areas. In conjunction with this offshore trough, was a stationary front bringing showers to the area and in the area of the James basin in Virginia for several preceding days. Some stations such as Greenwood Lake in Passaic County reported 0.22 inches of rainfall on May 11th. In addition, the following day on the 12th, the region was at the leading edge of a warm front and experiencing clouds and precipitation accumulating 0.37in. On May 13th the same system that was influencing Passaic County was affecting Botetourt County, VA as well. Peaks Of Otter, VA experienced 2.01 inches of rain on 5/12 and shortly thereafter on 5/13 Greenwood Lake NJ experienced 2.25 inches of rain. This was due to the fact that the grounds were saturated and the winds were southerly and bringing in lots of gulf moisture. Provided by Victoria Faranca – The Pennsylvania State University

Source: Provided by Victoria Faranca – The Pennsylvania State University

Crest Statistics and Flood Information

First flood of 1 that occurred in May, 1974

Third flood of 9 that occurred in 1974

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