

# **ABE651-Assignment 11**

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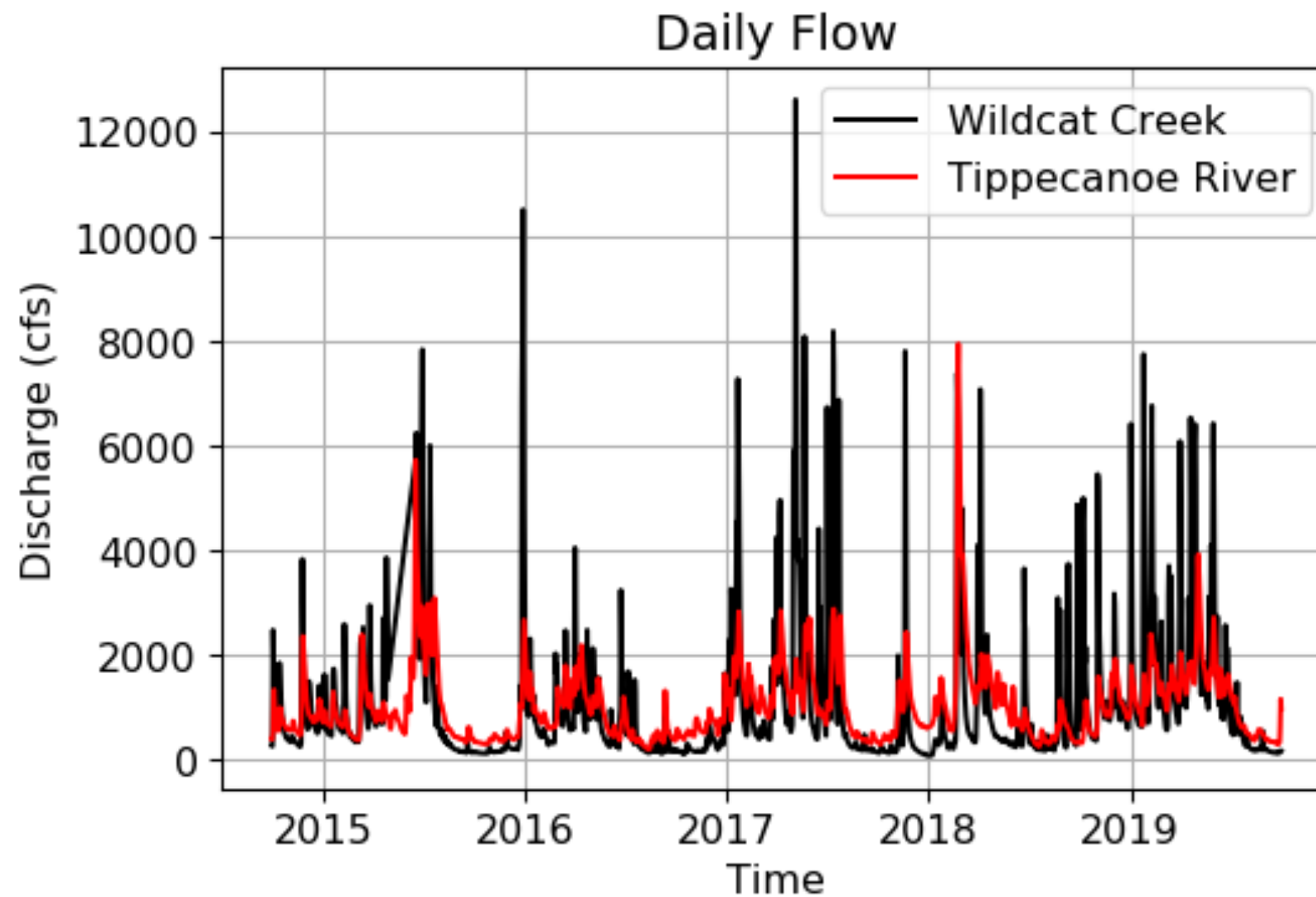


Figure 1: Daily streamflow records for the last 5 years. Peak for Wildcat Creek is seen around mid-2017 and Tippecanoe River early 2018

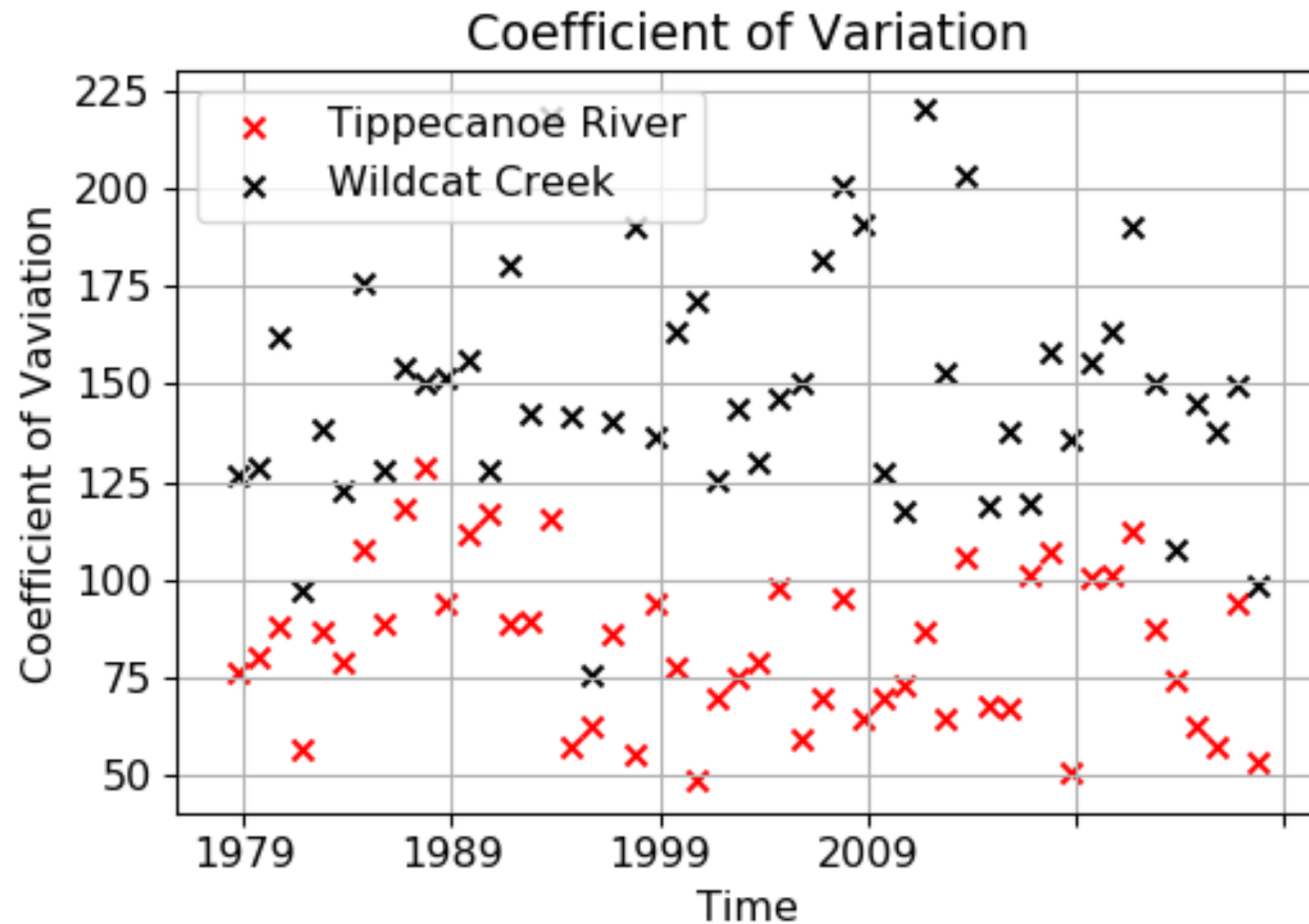


Figure 2: Annual coefficient of variation of daily discharge values over a 50 year period. Generally, Wildcat Creek has higher values.

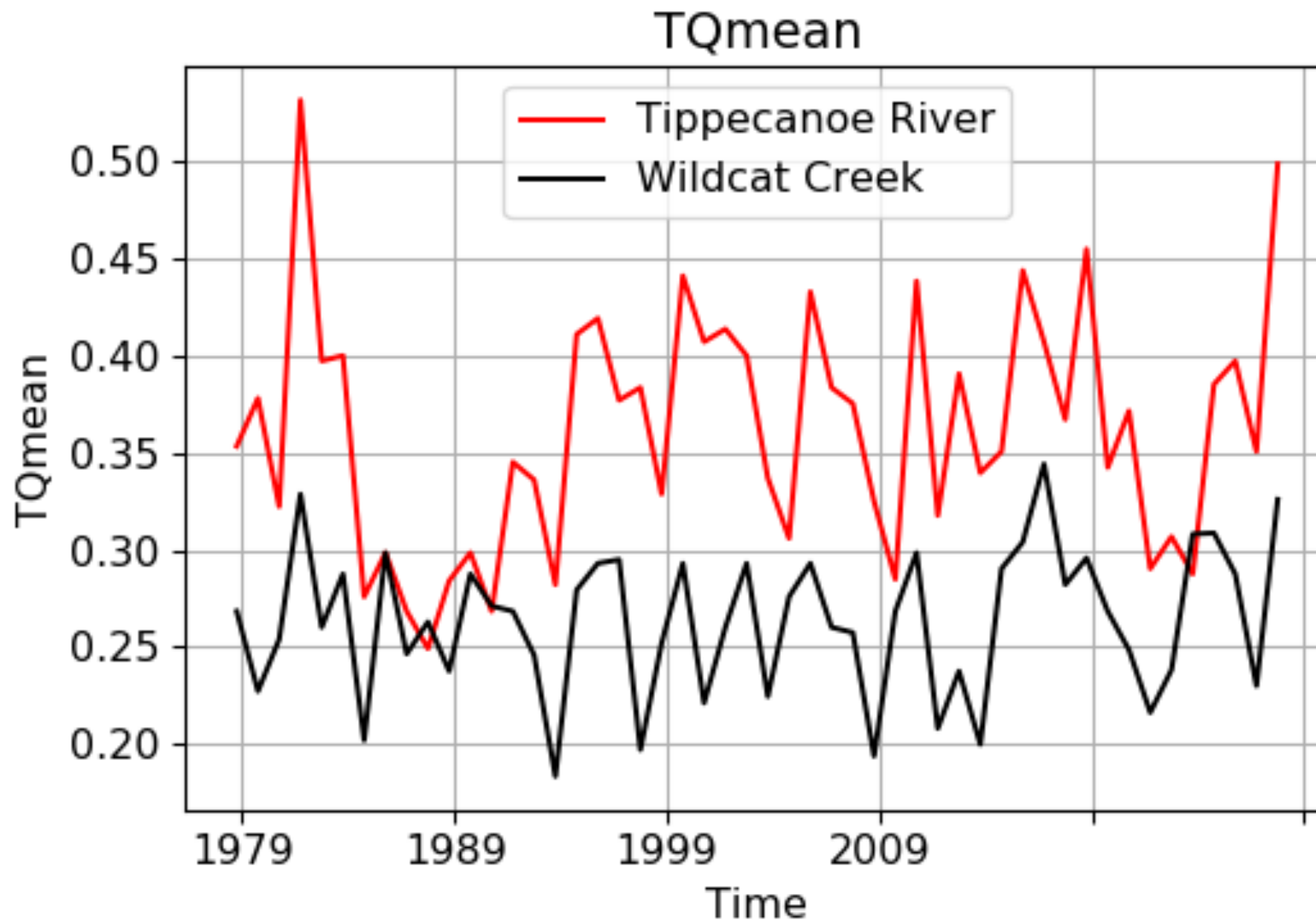


Figure 3: Plot of TQ mean values for both rivers. TQ mean is the fraction of time that the daily streamflow values exceed the mean annual streamflow. Generally, Tippecanoe river has higher TQ mean values.

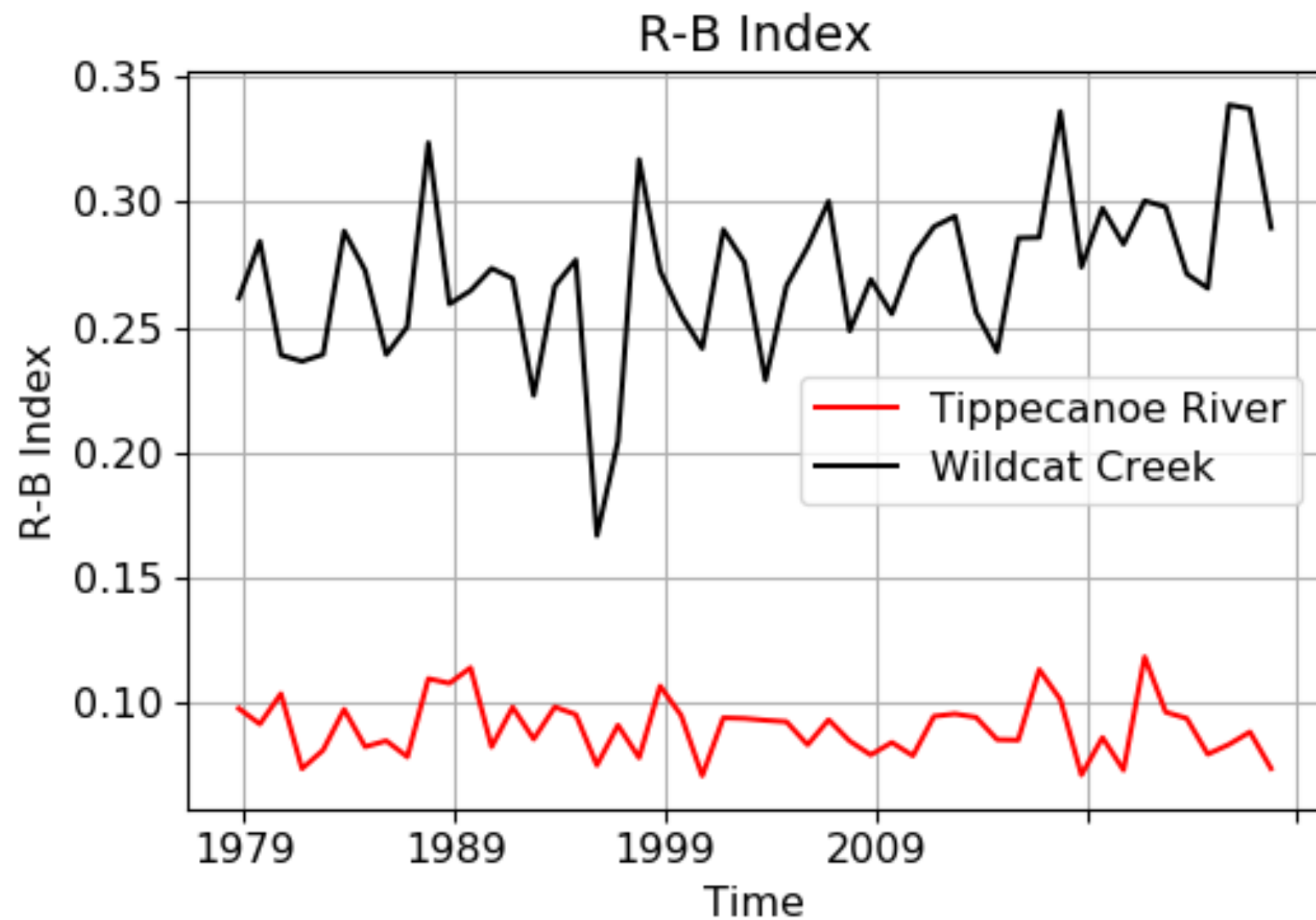


Figure 4: R-B index values for the two rivers. This is the flashiness index for the rivers. Generally, Wildcat Creek has higher values.

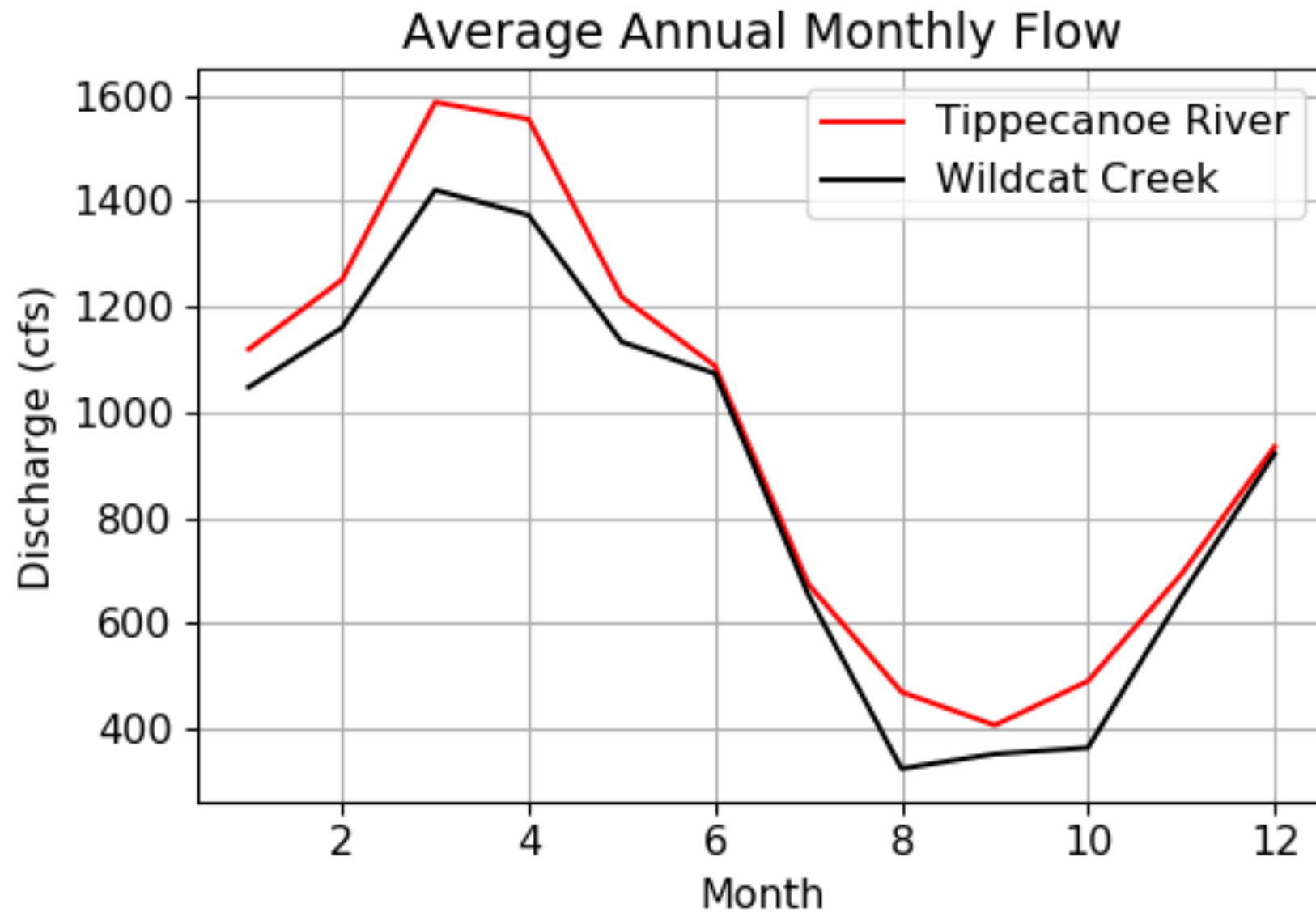


Figure 5: Annual mean monthly flow averaged over a 50 year period. Tippecanoe River values are generally higher than Wildcat Creek.

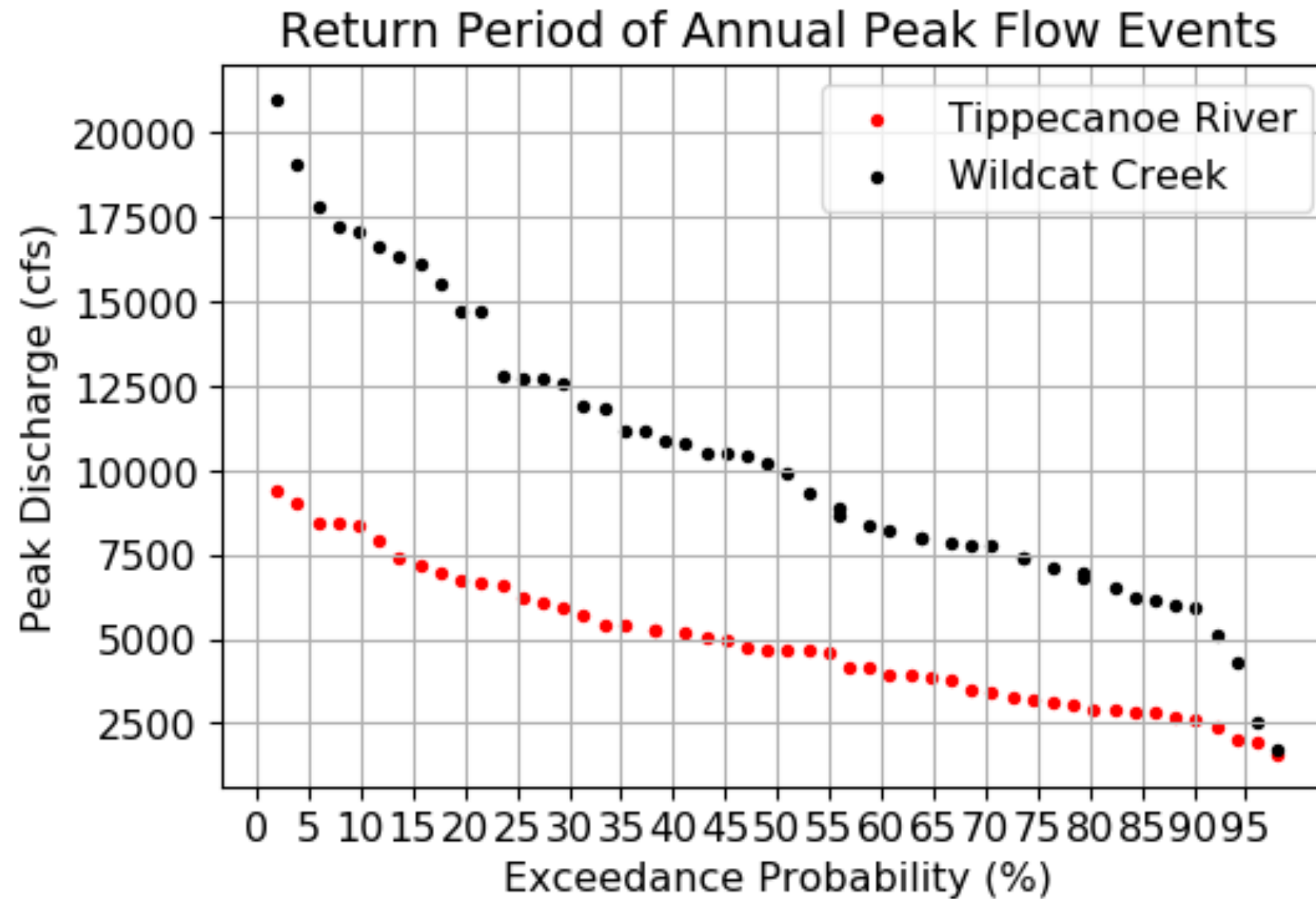


Figure 6: Excellence probabilities for the two rivers based on discharge rates. Wildcat Creek typically has higher values.