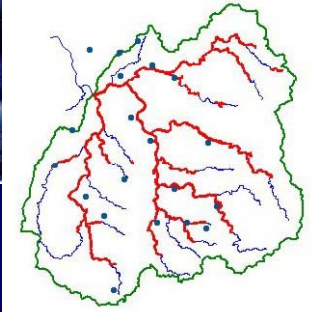


## Assignment- Questions?.

- Which are the different processes that can be simulated using models in a watershed.
- Differentiate between: a) event based & continuous models; b) lumped & distributed models.
- Illustrate the Rational method for runoff estimation, with its advantages & limitations.
- Describe the SCS-CN method for runoff estimation with its advantages & limitations.



## Unsolved Problem!

- For your watershed area, for a given rainfall depth, calculate the possible runoff using a) Rational Method; b) SCS-CN method, and compare the results.
- From the topographical & land use details, obtain the runoff coefficients for various areas & find the average runoff coefficient based on literature values.
- Based on the land use pattern, and possible antecedent moisture conditions, identify the possible curve number and get the weighted average.
- Compute the runoff based on the average runoff coefficient & curve number.