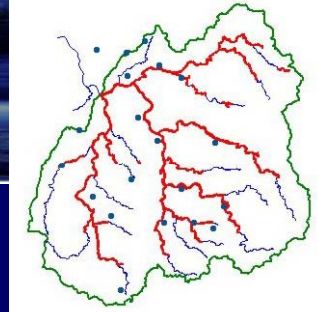


Assignment- Questions?.

- Illustrate how GIS & remote sensing can help in effective watershed modeling in combination with numerical modeling.
- For physically event based rainfall runoff modeling, illustrate various hydrologic processes to be considered in the modeling.
- In integrated approach of watershed modeling, describe the modeling procedure.



Unsolved Problem!

- For your watershed area, study the scope of integrated modeling for rainfall-runoff using numerical models, GIS and remote sensing. Remote sensing for the watershed area may be obtained from ASTER (<http://asterweb.jpl.nasa.gov/>) / SRTM (<http://srtm.usgs.gov/index.php>) / BHUVAN/ IRS (http://bhuvan.nrsc.gov.in/bhuvan_links.html)
- Hydrological model may be obtained from HEC-RAS, HEC-HMS software: www.hec.usace.army.mil/software/hec-hms
- For the average/ maximum/ minimum rainfall pattern in the watershed area, asses the runoff for the watershed.