Homework #6 – River Mechanics - due May 4

Problem #1 (75 points) Team effort

Prepare an integrated team analysis of the sediment transport for Fountain Creek. There should be a digest of the information regarding: (1) the flow duration curves; (2) the b hat values; (3) the sediment rating curves; (4) the distribution of flow-duration/sediment rating curve method; and (5) the total sediment load in the river. You can divide the tasks to present a brief report including: (1) a tabular presentation of the results; (2) a map with a spatial representation of the results; (3) a summary and conclusion; (4) appendices with the detailed data; and (5) a pptx with max 20 slides to summarize your study.

Problem #2 (25 points) Individual effort

Solve Problem 9.8 on p. 333.