CE 319F Laboratory 5 - Flow Visualization

Worksheet

Summarize your results from the Waller Creek demonstration. Sketch a map of the creek and put the pathlines, streamlines, and streaklines of the flow along the map.

What velocities were found at various parts of the flow? How is it possible to have differing velocities in the same creek? Where does the water go if it’s traveling at different speeds?

Is the flow in Waller Creek steady? Unsteady? Uniform? Non-uniform? What evidence do you have to support your decisions?