



**Project Status Report: CEEEn-2018CPST-007**

**Report Date: 1/28/2019**

**Team Members: Ryan Smart, Nicole Hastings, Hanna Opdahl, Daniel Fiso**

**Project Title: Woodland Hills Snow-Runoff Drainage Options**

**1) Summary of technical/non-technical challenges encountered**

We encountered the problem of what to do next with the collected data from StreamStats to determine the flows of each watershed. We have encountered a problem in determining the flows in the city from the existing watersheds. We also need to determine the upland herbaceous number and urbanization factors, so that we can determine how the flow will change when going through the city.

**2) Team approaches & resolutions to overcome challenges**

We met with both Ted and Ricky Anderson (a hydraulic engineer from Jones and DeMille) to gain help in determining what flows to use from the StreamStats data. We also met with Dr. Ames this week to help us with the next steps in the process. We plan to calculate areas in the city and expand our watersheds, as to get better estimates of flows for our culvert sizing.

**3) Status of challenge resolutions & potential project impact**

We are hoping that back calculating the upland herbaceous number and determining an urbanization factor will allow for more accurate and useful data; Nicole is researching this. Hanna is going to get our group meeting notes organized and create an agenda for upcoming meetings. Daniel will calculate areas throughout the city, so that we can determine the flow rates through the city.

**4) Project status & summary**

We are currently in Task 2 of our project outline. At the moment we are doing a lot of research in order to get better and more accurate estimates of our flow data.

Please enter # of hours spent on project this last week for each team member in the order listed above