

Project Status Report: CPST-0 06

Team Members: Andrew Olsen, Becca Apgar, Caroline Preece

Project Title: Springville Road Crossing

**Report Date: Met in the EB at 9 am
On Saturday**

1) Summary of technical/non-technical challenges encountered

- Missing critical tailwater information in order to run HY-8 analyses on the culverts
- Never used HY-8 or HEC-RAS before and need to learn the programs
- Finding accurate elevations for the creek and the floodplain

2) Team approaches & resolutions to overcome challenges

- Reading user manual for HY-8 and completed the quick startup example
- Watched tutorial video for HEC-RAS
- Looking at Springville Emap and Google Earth to determine elevations

3) Status of challenge resolutions & potential project impact

- Delay of flow calculations in HY-8 will delay design of the culverts and the bridge crossing

4) Project status & summary

- Preliminary research about the June Sucker and why it is a critical species
- Downloaded flow data from CUASHI
- Created pivot charts and some preliminary flow calculations for Hobble Creek
- We have coordinates for crossing location and calculated the downstream average slope of the creek
- Met with mentor on Monday to discuss next steps for the project after completion of SOW

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