



Project Status Report: CEE-2019CPST-012

Report Date: 2/24/20

Team Members: Kendall Winterhalter, Brian Stevenson, Tyler Giles

Project Title: Utah County Post-Fire Debris Basin Runoff

1) Summary of technical/non-technical challenges encountered

- This week we were attempting to find the Pre-Fire curve number and the Post-Fire curve number using WMS and GIS.

2) Team approaches & resolutions to overcome challenges

- We used the information given to us by Dr. Nelson in order to find the Pre-Fire curve number on WMS. In order to find the Post-Fire Curve number we tried two different methods that involved finding the square foot areas in the watershed.

3) Status of challenge resolutions & potential project impact

- We were able to find the curve numbers for Pre and Post Fire and this makes it possible to move forward with designing the detention basin.

4) Project status & summary

- Working on figuring out the amount of debris and flow that will come from the watershed in order to do preliminary designs of the detention basin

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

Member #1: 3

Member #2: 3

Member #1: 3