

Project Status Report: CEEEn-2018CPST-012

Report Date: 26 November 2018

Team Members: Max Barnes, Meghann Morgan, Delila Lasson, Reed Reimschuessel

Project Title: Springville Irrigation Canal Breach Mitigation

1) Summary of technical/non-technical challenges encountered

- Learn to use hydraulic tool box – need slope of canal
- Surveying – don't have exact GPS locations of where we set up and don't have exact elevations of where we set up.

2) Team approaches & resolutions to overcome challenges

- Learn to use hydraulic tool box – using the elevations from surveying the slope of the canal can be calculated
- Surveying – use google maps or GIS to find exact elevation and GPS location of station

3) Status of challenge resolutions & potential project impact

- Status:
Learn to use hydraulic tool box – know how to use program
Surveying – complete, but missing exact GPS location and elevation
- Impact:
Learn to use hydraulic tool box – the 3D model can be constructed to help analysis current canal flow and what changes need to be made to achieve 20 cfs
Surveying – help create the 3D model

4) Project status & summary

- Soil analysis in progress – Nov 26, 2018
- Surveying complete – Nov 24, 2018
- Research and work to be done:
Process surveying data – Dec 1, 2018
Begin 3D model of canal – Dec 1, 2018