

Project Status Report: CPST-0 16

Report Date: 02-05-24 EB 405

Team Members: Dylan Fitt(1), Bennett Price(2), Ian Mathews(3), Bryan Williams(4)

Project Title: Project 16

1) Summary of technical/non-technical challenges encountered

- Couldn't figure out how to import the data properly within ArcGIS (Tried drawing a polygona round the watershed that could allow for some analysis, but probably no quite what we want)
- Remembering how to download the rain data for the Provo airport and exporting it.
- We've been struggling to get the code we've written to work and to integrate the different lines of code that we have written individually.
- We were not able to finish the code before the end of last month, so we now have two sets of data that we need to return a status report to Lane about

2) Team approaches & resolutions to overcome challenges

- Will talk to Lane about the ArcGIS stuff and see if he has a way he would like us to work with the ArcGIS data.
- Ian and Bennett worked together to work out the issues with the rain data collection
- Have been using ChatGPT to as a way to problem shoot the code.
- We are working to finish the code as soon as possible to make the analysis of the collected data streamlined rather than just doing each of the two we've collected by hand

3) Status of challenge resolutions & potential project impact

- We will email Lane with our questions regarding ArcGIS
- We haven't finished the code and so it might impact our project by having some late reports as far as month-to-month analysis summaries for the city of Provo, but they are not in a rush to receive those reports, just at the end of the project they would like to see them

4) Project status & summary

- From 11:30 to 12:30 on Wednesday the 31st of last month, Dylan and Bennett went out with Lane and collected more data from the sewer site, and we are in the process of finishing our deliverable to do the analysis of December and January's data.
- We are continuing to meet every week to discuss the project and work things together such as the status reports.
- Bryan finished the value output portion of the Manning's equation code and sent it to Ian for the two of them merge the codes for graphical outputs.

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

2/5/2024

Member #1: 3.5

Member #2: 2

Member #3: 3

Member #4: 2

Member #5: