

**Project Status Report: CEEEn-2019CPST-014**

**Report Date: 02/18/2020**

**Team Members: Jeffery Brown, Taylor Petersen, Joel Smith**

**Project Title: Mapleton City Well Source Protection Plan**

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

- We are still in need of the location and pumping rates for each well to use for the water modeling.
- Initial test runs in WhAEM have had issues with elevation information.

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

- We will reach out to faculty to seek help running WhAEM.
- We will stay in contact with Mapleton City to ensure that we get needed information in a timely.

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

- We have given a preliminary list of needed information to Steve Lord and we are currently waiting for it.
- RB&G and the Department of Water Quality have sent us the previous reports and data that they agreed to send us.
- We have nearly completed comparing the reports we currently have against the state standards.

**4) Project status & summary**

- We are still waiting on some information but we have received much of what we needed to move forward with our research. At this point we have reviewed most of what is contained in previous reports and compiling what information needs to be in the updated reports. We are continuing to have issues with the modeling software, WhAEM, but we will reach out to faculty to get help. We will also begin working on a GIS file to create a working map of the city overlaid with pertinent information to water source protection.

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

Member #1: 1

Member #2: 1

Member #3: 6

Member #4: N/A