

sddec22-10: Low Water Crossing Level Indicator

Week 1 Report

January 25 - February 6

Team MembersTyler Rebischke — *Team Member*Brandon Choy — *Team Member*Dylan Blattner — *Team Member*Jake Ross — *Team Member*Nithin Sebastian — *Team Member***Summary of Progress this Report**

For this reporting period we primarily were focused on getting to know our team members, advisor, and project details.

For our team members, we met and discussed our plans for the project and got to know other information about each of the members such as their major and interests in the project.

For getting to know our advisor better, we met with him and laid out our plans for the semester. In our meeting, we learned that he is one of the technicians within ETG and came up with the project idea while visiting his son in rural Iowa. Additionally, he helped us come up with a game plan for the upcoming period of work as we begin working on the details of our project.

Finally, we started working on some of the details pertaining to our actual project. First, we split up the project into the five major components that our advisor laid out, which are RF Communication, water level sensing, solar power, signage/alerting, and power storage/batteries. We also began work on a block diagram for the project and will use that to guide our project through its development.

Pending Issues

We currently don't have any pending issues.

Plans for Upcoming Reporting Period

For the upcoming reporting period we plan on splitting up research between each of the major project components. Research will consist of looking into different products and problems that exist in each of these major spaces and starting to consider how each of these components will fit into our design. We also plan on finishing the block diagram of our project.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Tyler Rebischke	Met with advisor and began introductory research.	3	0
Brandon Choy	Met with advisor and began introductory research.	3	0
Dylan Blattner	Met with advisor and began introductory	3	0

	research.		
Jake Ross	Met with advisor and began introductory research.	3	
Nithin Sebastian	Met with advisor and began introductory research.	3	0

Gitlab Activity Summary

Nothing to report.
