

Meeting Minutes – 2/14/12

- Don't worry about the flow that much
 - Flow rate being low is good right now
- **Location fixed**
 - **Keep the site as our site for now**
- Hydrofoil size – 15"
- Design for min and max
 - **Min = .2 m/s**
 - **Max = .5 m/s**
 - What do we have to change if the flow rate is higher than what we designed for.
 - As the flow rate increases, decrease the hydrofoil size
- **Create a visual that shows the system on the bank of the river**
 - **By Thursday**
- Boom length/size
 - No need for cables
 - **Design for .5 m/s for the flow rate**
 - **Factor of safety of 2**
 - **Boom length**
 - **Max: 5m**
- Getting boom closer to the water
- Hydrofoil size
 - 15" hydrofoil
 - Chord length –
- Ecological impact
 - Hiring a undergrad student as a consultant
- Gearing the servo
 - More information needed
- Geoff work with Dr. Gomes on sensitivity analysis
 - Chord length
- Use the tools to design what we want
- Need more information on the DAQ
- Engineering Specs:
 - Air temperature
 - Weather forecast
 - Data sampling rate / data resolution
 - We are setting the sampling rate
 - We have to do the environmental impacts ourselves
 - Hydrofoil size – coming up with a go/no-go gauge to measure the uniformity
 - Do not have to scan the hydrofoil

- ADD THESE ONTO THE SPECS
- Generator is an important component to the project
- Think about dump loads
 - Measure and burn it – possibility
 - It needs to be owned by someone
 - Geoff
 - End of MSD I
- By end of MSD I
 - Complete detailed design
 - all the vendors picked out