

Revision 2:

ID	Risk Item	Effect	Cause	Likelihood	Severity	Importance	Action to Minimize Risk	Owner
	<i>Describe the risk briefly</i>	<i>What is the effect on any or all of the project deliverables if the cause actually happens?</i>	<i>What are the possible cause(s) of this risk?</i>			L*S	<i>What action(s) will you take (and by when) to prevent, reduce the impact of, or transfer the risk of this occurring?</i>	<i>Who is responsible for following through on mitigation?</i>
1	Data may be delayed because of weather	Eliminate the team from collecting real time data	Frozen rivers, water heights, and debris	3	3	9	Relocation by March 10, 2012	Joe
2	Transportation Damage	System damage, new parts, cost, time	Repeated assembly/disassembly, carelessness	2	3	6	Proper assembly/disassembly documentation, have extra parts on hand	Chris
3	Long lead time for parts	Not being able to complete the prototype	Ordering parts too late	2	2	4	design around commonly available parts	Geoff
4	Docks not being available	Need to attach to river bank	Dock not installed yet, permission revoked	2	2	4	Design for both dock and bank placement	Don
5	DEC concerns	Inability to collect data, miss deadlines	Complaints	1	3	3	Research legislation and look for loopholes, written DEC confirmation	Chris
6	Poor data acquisition	Waste of valuable time	programming error, wrong component choices, human error	1	3	3	Lab test before field test, write a procedure to assemble	Don
7	Find/turn adequate generator	No output, having to buy a new generator, loss of time	Miscalculations, human error	1	3	3	Double check calculations, Consulting with other members	Geoff
8	Not meet the EPA paper report deadline	Potential loss of current/future funding	Lack of data, design infeasibility	1	3	3	Strict adherence to the timeline	Justin
9	Running out of time	Project doesn't get done	Too big of scope, long lead time of parts, design failure	1	3	3	Follow Gant Chart	Justin
10	Damage risk – snow, ice, debris could damage our prototype	Damage to the prototype	snow, ice, debris	1	2	2	Monitoring the stream conditions	Joe
11	Running out of money	Not being able to finish the design	damaged parts, expensive parts	1	2	2	Strict adherence to the budget	Justin
12	Inaccurate Matlab simulation	Misleading design configurations	Assumptions made in the program	2	1	2	Independent calculations and debugging	Matt