**CEE 573: Snow Hydrology**

**P7 reviewing P5**

**Proposal Review:**

Follow the directions for the proposal specified in the term project description on canvas.

Please bring this page to class. We will review each other’s proposals in class following NSF’s “intellectual merit” criteria. For each proposal you review, you need to address the following. (Keep this in mind as you prepare your own proposal.)

• Comment in detail on the quality of the proposal

The motivations and objectives are clear but the specific datasets, analysis, and timeline of analysis are not listed and need to be developed. It also needs references for some of the claims listed. This is a great first draft listing the primary objectives of the project.

• Provide an overall rating of the proposal (1 to 5): \_\_\_\_\_

• Identify the proposal’s strengths and weaknesses for each of the following NSF Merit Review Criteria:

• How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields?

The motivation for the research question is well framed, and this will be an important and valuable contribution to the field.

• To what extent does the proposed activity suggest and explore creative and original concepts?

The group will be applying known and previously used methods (I think) to answer an applied question about a societally and ecologically relevant basin in western Washington.

• How well-conceived and organized is the proposed activity?

The scope of the project is appropriate given the time length of the class, however it is hard to tell what tools and datasets and the study period that they will use to determine how realistic their goals are.

• Is there sufficient access to the necessary resources? Is the proposed work appropriate for the time allotted?

This information needs to be listed more specifically.

In addition, please comment on

1. Any topics or ideas that are unclear in the proposal

What USGS and snotel sites will you use? When are data available for them? Where will you acquire the data? What tools will you use to perform the analysis? What is your timeline?

1. Any proposed work that you think will be especially difficult to carry out and why

I think predicting the likelihood of rain on snow events in the future is exciting and important, but am unsure the steps that need to be taken to accomplish this. Do you need to use a climate model with projected temperatures for the future?

1. Any topics or ideas that you think should have been included

This is the project proposal outline on canvas, information regarding these points should be included (to some extent)

Project Proposal Outline:

Your term project proposal should include the following:

1)   Introduction (historical review: what has been done? what remains to be done?)

2)   Objectives (concise statement of exactly what you want to do)

3)   Rationale and scope (why should the work be done? what specific problems will

it resolve?)

4)   Research management plan (how will the work be done?)

a.   Sampling methods and protocols (how are you going to do it? include

protocols for data acquisition, data analysis, dissemination of results, time-

line, etc.)

b.   Available facilities (do you have the means to carry out the work?)

c.   Progress to date (what have you accomplished already? what remains to

be done?

d.   Project schedule (when will you do what?)

e.   Immediate results (what answers will be immediately forthcoming?)

f.    Anticipated future research (what additional major research efforts will

result?)

1. Any suggestions you have to make this project better

I am excited to see what you find!