

**Erin Larson, Ph.D.**  
**Alaska Pacific University**

**Comments on 210115 Eklutna Draft Study Plans for TWG Review (Revised)**

*Note: I am solely commenting on sections 3.4 and 3.5 of the Revised Draft Study Plan, as these are the areas where I have technical expertise.*

3.4.4: We had discussed being sure that we collect density data. Right now the laboratory methods of the 500 individual subsample do not include plans to count the remaining individuals to obtain densities.

3.5.3: Why don't we include the sediment wedge area as a sampling site here (i.e. have the same sampling sites we use for the Macroinvertebrate study?).

3.5.4: I think that we need longer than a 24-72 hour sampling time frame for the DO and pH sampling, since these are really going to depend on summer flows and rain events. Could we leave these loggers in for longer and have someone local check on them and do spot checks with a calibrated sonde? If helpful, we could figure out an APU student who might be able to do this work.

Also, there is not any information about what instrumentation and methodology is being used for the river temperature monitoring. I would like more detail about the timing/frequency of when temperatures will be measured and what instrumentation will be used.

3.5.8: The Ward 2011 citation is missing from this list.