From: Brekken, Josh M (DFG)
To: Owen, Samantha
Subject: RE: Eklutna Instream Flow Preliminary Results
Date: Monday, October 31, 2022 4:04:20 PM
Attachments: image001.png

Samantha,
I have one comment to provide on the geomorphology tech memo:

The report states that the current major sediment sources to the Eklutna River include the upper valley alluvial fans and an eroding bluff in the canyon. Were other sources (such as the streambanks along the length of the channel) considered and if so, what is the relatively input of other sources? Or, what relative percentage of the overall sediment input is provided by the major sources listed compared to other sources? Would it be expected that these streambank or minor sources increase with flows that facilitate channel migration and floodplain inundation? This will likely be better understood after the 2-D HEC-RAS model is fully developed. We would expect more of this general input as the channel migrates. Either way, we think it would be informative to address other sources (describe relative input or possibly make statement about how minor other sources are) since the report only mentions the major sediment sources in the Sediment Source Areas section. Maybe these are the source of 95% of the substrate and the minor sources aren't a factor, but we feel it would be helpful to discuss the major sources in context with other sources, especially as the channel migrates and adjusts to various flows.

Maybe it's a little rambling and could be pared down at your discretion (just wanted to make sure the full scope of our thoughts were captured).

Hope it all makes sense and let us know if you have any questions.
Thanks.

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