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**From:** Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>  
**Sent:** Thursday, May 9, 2019 5:32 PM  
**To:** Brittany Cunningham - NOAA Affiliate; Sarah Gallagher - NOAA Federal  
**Cc:** Naseem Alston; Howard Brown; Cathy Marcinkevage; Kristin Begun  
**Subject:** Fwd: Update on Clear Creek Effects and attached latest version  
**Attachments:** 2.5 and 2.6 Trinity-Clear Creek Effects V6--to reviewers-do notchange-SLG 5.9.19.docx; ATT00002.html

Brittany—I know you have the ITS with Naseem, so I’m not sure you have the bandwidth, but if you do, can you help Sarah with the Clear Creek effects and effects tables? Rosalie needs to see a revised Clear Creek section before clearing. She only has tomorrow, though, with a huge workload, and her main comment regarding another review is to see the effects tables.

Kristin—cc to you in case Brittany is tied up and you can help.

Sent from my iPad

Begin forwarded message:

**From:** Sarah Gallagher - NOAA Federal <[sarah.gallagher@noaa.gov](mailto:sarah.gallagher@noaa.gov)>  
**Date:** May 9, 2019 at 4:45:03 PM PDT  
**To:** Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>  
**Subject:** Update on Clear Creek Effects and attached latest version

Here is the latest version of the Clear Creek effects, also updated on the R drive.

I have tried to address most of your comments, and Rosalie's too. Could use some help still making the conclusions for the sections. I don't feel like I have made a very good argument as to why the PA may change critical habitat.

Also, in regards to effects of channel maintenance flows: for the purpose of geomorphic benefit, that are not likely sufficient magnitude for channel shaping and floodplain inundation , but will provide some benefit to moving spawning gravel. They will also be good for fish movement or temporary habitat. If that is not their intended purpose, we don't analyze? **Regardless of purpose, we analyze the effects of the proposed action. We can comment that we don't think the PA component would meet the intended purpose, though.** Same with spring attraction for geomorphic benefit? **I thought the spring attraction flow was to attract spring-run into Clear Creek, not for geomorphic benefit. Regardless, we analyze the effects of the proposed action.**

**What I still need to DO:** probably a few more comments in this draft that I missed, AND I effects summary tables. I put a place holder in with a short summary sentence similar to the American (not complete) in the attached draft. My plan tomorrow (or later this evening after dinner) is to take the I&S tables and make them match the effects section better, then use that version less the extra few columns to put into effects.

**Sarah Gallagher | Fish Biologist**

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