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**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Friday, May 31, 2019 8:46 PM  
**To:** Joe Heublein - NOAA Federal; Howard Brown - NOAA Federal  
**Cc:** Yip, 'Garwin; Naseem Alston - NOAA Federal; Brittany Cunningham - NOAA Affiliate; Cathy Marcinkevage  
**Subject:** Re: Folsom Water Control Manual

I have family commitments this weekend, but there may be a window tomorrow where I can work. Unfortunately, can't commit to getting it done tomorrow.

The no temp standards clarification from Kristin is not consistent with the PA; the BA states the following LAR temp standards (65 at Watt, no higher than 68).

"May 15 through October 31 daily average water temperature of 65°F (or target temperature determined by temperature model) or lower at Watt Avenue Bridge. When the target temperature requirement cannot be met because of limited cold water availability in Folsom Reservoir, then the target daily average water temperature at Watt Avenue may be increased incrementally (i.e., no more than 1°F every 12 hours) to as high as 68°F."

"Reclamation will use an iterative approach, varying proposed operations, with the objective to attain the temperature compliance point at Watt Avenue Bridge. Operation of Folsom/Nimbus Dam complex and the water temperature control shutters at Folsom Dam will be used to maintain a daily average water temperature of 65°F or lower at Watt Avenue Bridge from May 15 through October 31."

On Fri, May 31, 2019 at 7:51 PM Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)> wrote:  
Hi Howard,

Kristin White was going to make some additional changes and send it back to us this evening. BOR's primary concern with our American R effects analysis is that we didn't include enough language specifying areas where the PA involves lower modeled temps than the COS. I was fine with all the language that Kristin proposed to add, it provides greater detail on the PA and doesn't change the PA or effects analysis. Another detail that Kristin clarified is that BOR is not proposing to maintain specific temperature standards (e.g., 65 degrees F at Watt from May-Oct), and the modeled temps in the PA are their best estimation of what will happen in the PA between now and 2030. This is an important clarification but also doesn't change our effects analysis.

I still haven't seen an email with BOR's live edits and I probably won't be available to help out tomorrow so someone will have to make those last revisions if we want to stick to the schedule.

-Joe

On Fri, May 31, 2019 at 5:12 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:  
Thanks Joe,  
Just had a chat with Maria about American and she wants to make sure we do all we can to address Reclamation's comments and strategic concerns to get the American cleaned up before Saturday COB.  
Howard

On Fri, May 31, 2019 at 4:07 PM Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)> wrote:  
Hi Howard,

Kristin from reclamation is going to add a couple sentences on this in their surgical edit of the American R effects. We have one reference to 'NMFS 2018' but nothing in the bibliography so that may have something to do with the water control manual BO. Kristin mentioned that looking at historic flow fluctuations is not appropriate with construction of the new spillway but not sure how to characterize that.

More importantly, if the new water control manual covers take associated with flood management should we remove redd dewatering/stranding from the effects and add it to baseline/not consulted on? We'll have to update a bunch of stuff if it's removed from the effects analysis

Thanks

Joe

On Fri, May 31, 2019 at 12:53 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:  
Joe,  
Here is the location of the flood biop. It's long, so I would look at the integration and synthesis and conditions.  
M:\SA-FINAL Biological Opinions\2018 - 2018-10-16-Folsom-Dam-And-Lake-Water-Control-Manual-BO-Signed  
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