

---

**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Tuesday, May 21, 2019 11:13 AM  
**To:** Stephen Maurano - NOAA Federal; Evan Sawyer - NOAA Affiliate  
**Subject:** Shasta Temperature Section and Comments

Stephen --

The file below are Interior's comments on the draft effects analysis for the Shasta division for the ROC LTO. There are some comments related to the temperature component and additional studies that I would like your input on, mostly related to temperature thresholds.

S:\Draft BiOp\2\_ESA\2.5-2.6 Effects of the Action\Shasta Division\Upper Sac Comments Compiled\_SOL Reclamation review 5.17.19.docx

Specifically, with track changes ON:

- p. 67 references and insertions of Myrick and Cech 1994, USFWS 1999, DeRio et al 2018.
- p. 68 additional text and insertions/comments.
- p. 74 major revisions to "explain" the Anderson model.

Please know that we are by no means poised to simply accept these edits and comments. First, NMFS writes NMFS' effects analysis. Next, many revisions are written as Rec would write them, not as the fisheries agency would. But we may discuss these in a meeting tomorrow and I'd like to have any recent thinking.

Do you know much about the references that they inserted? I also recall a recent letter from EPA with regards to Tuolumne work that reflected that MID and TID made a case for "more local" data to be used instead of USEPA 2003. Can you provide me with any background or knowledge on that?

I'll swing by in a few to chat about it.

Thanks!  
Cathy