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**From:** Seth Naman - NOAA Federal <seth.naman@noaa.gov>  
**Sent:** Friday, February 15, 2019 2:38 PM  
**To:** Justin Ly - NOAA Federal  
**Cc:** Cathy Marcinkevage - NOAA Federal; Barbara Byrne  
**Subject:** Re: Trinity Division Analytical Needs

Yes thanks Cathy and I agree with Justin. I did talk with Todd this morning already about this and filled him in so he has an idea of what we're looking for in terms of WUA and temperature analyses. Thanks for following up on that stuff for us. Have a great weekend,

Seth

On Fri, Feb 15, 2019 at 2:31 PM Justin Ly - NOAA Federal <[justin.ly@noaa.gov](mailto:justin.ly@noaa.gov)> wrote:

Thanks for the update Cathy. We'll take what we can get on the habitat model even if its end of March. Hopefully Nick Som will have time for Trinity SSS; he's already helping on the Klamath SSS on the Klamath ops consultation.

Have a great weekend all!

Sent from my iPhone

On Feb 15, 2019, at 2:20 PM, Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

Seth and Justin --

Thanks for this info, it was really useful in sending to Reclamation.

You can expect to be contacted by Todd. He seems on board to run RBM-10 in the next few weeks, and will want to talk outputs with you.

He'll also ask you about the Coho habitat modeling. His report out was that he didn't think he could get through the interpretation of the suitability / WUA in the next 3 weeks. Would you still interested in Coho habitat modeling if it wouldn't arrive until the end of March? I know that that would be pushing it in at the later end of the drafting, so I leave it up to you.

Finally, I'm talking with our FWS colleagues to see about reaching out to Nick Som to do the SSS work. Since Paul Souza is the coordinator on all of these, I'd like to think that we could borrow some USFWS resources to provide this analysis. Russ Perry is involved in the WR life cycle model with the SWFSC, and I anticipate that he'll be pretty booked with that work over the next few months. I'll let you know of progress/contacts on the FWS side for this.

That's the update for now! Happy extra weekend!

Cathy

On Thu, Feb 14, 2019 at 1:32 PM Seth Naman - NOAA Federal <[seth.naman@noaa.gov](mailto:seth.naman@noaa.gov)> wrote:

Cathy my answers to your questions are below. Thanks,

Seth

On Thu, Feb 14, 2019 at 1:20 PM Cathy Marcinkevage - NOAA Federal  
<[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

Seth and Justin ---

In a scramble this morning I provided the following to ICF and Reclamation regarding our needs for the Trinity division for ROC on LTO. This particular group of people were not familiar with these, so my do-out was to figure out how, when, and ultimately if (considering those factors) we should move forward with requests for each of these. I have specific questions in italics below.

Trinity analysis is lacking support. Division leads have flagged the following as high priorities.

**SSS (stream salmonid simulator):** USGS or USFWS can do this modeling as its likely ICF cannot. We should explore the resources needed for this.

*-Is there a specific contact at USGS or USFWS we can ping for this? What is your estimated level of effort (days or months)? If BOR from Sac contacts BOR from TRRP, would that help in moving it along? What is the priority level of getting this particular analysis (high, medium, low)?*

Russel Perry or John Plumb from USGS or Nick Som from USFWS would be those that could do model runs SSS. I have no idea what there workload is like or if they are already at capacity with the other consultations like Klamath or Columbia River. This would likely be one to two weeks of work I'm guessing. Not sure who from BOR would help move this along, but Caryn Hunt-DeCarlo from BOR TRRP may be able to help. The priority is high.

**SONCC coho habitat modeling:** USFWS and BOR (TRRP) can do, ICF may be able to.

*-Is there a specific contact at USFWS or BOR we can ping for this? What is your estimated level of effort (days or months)? Is this a type of WUA modeling? What is the priority level of getting this particular analysis (high, medium, low)?*

TRRP BOR contact would be Todd Buxton. Yes this would be a type of WUA modeling, and the best person would likely be Nate Bradley from the BOR technical service center in Denver, CO. Todd or someone else at the TRRP may be able to do some model runs but Nate would likely be best. This would likely be two weeks worth of work to utilize the latest channel configuration with a habitat model and proposed action flows. The priority is high.

**River Basin Model-10 (RBM10):** for temperature effects at the daily average time step at Douglas City and North Fork-Helena in the Trinity River. USFWS and USGS (i.e., Russ Perry) developed the model, but can be run by others familiar with the model and the PA.

*-I know Russ well, and expect him to be already at capacity. Is there a specific contact at USFWS we can ping for this? Are there any consultants who have shown experience in this? What is your estimated level of effort (days or months)? What is the priority level of getting this particular analysis (high, medium, low)?*

I believe Todd Buxton from BOR TRRP can run RBM10. Not sure which consultants can run it but possibly McBain Associates in Arcata. Not sure on the level of effort but I'm guessing two weeks. The priority is high.

I'm here until about 4:30, with a 3-4 meeting, so feel free to give me a call if you'd like to talk about these.

Thanks!  
Cathy

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