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**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Friday, February 15, 2019 9:58 AM  
**To:** Harrison, Katrina  
**Cc:** Howard Brown; Callejo, Russell; Garwin Yip; Todd Buxton  
**Subject:** Re: [EXTERNAL] Trinity Support for the ROC on LTO Consultation

Hi Katrina (and Todd) --

Thanks for the quick action on this. Yes, Seth and Justin are the right contacts. And given that, I wouldn't feel right speaking for them regarding the use of the Coho habitat modeling given when it would be done.

I'll send Seth and Justin a heads up that we have been talking, and I suggest that we pose the Coho habitat modeling question to them when contacting them about the RBM-10 modeling. It sounds like Todd will be reaching out -- can you CC me, and include the Coho habitat question, since it also falls in your shop? I'm also happy to help in setting up any communication among all of us to facilitate getting to what we need.

Thanks!  
Cathy

On Fri, Feb 15, 2019 at 9:49 AM Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)> wrote:  
Hi Cathy -

I just talked to Todd Buxton. He is going to run the River Basin Model - 10, and going to talk to Seth Naman directly about what outputs Arcata wants as I wasn't sure (I'm assuming Seth and Justin are the right contacts?). He thought this would be pretty straightforward and definitely would be done in the next couple of weeks.

Secondly, regarding the Coho habitat modeling, Todd is going to talk to Seth about this as well, but his understanding is that there is no existing model, so it would be running a hydraulic model with the new flows / looking up new depths and velocities from our new flow frequencies, and then applying habitat suitability curves to get a Weighted Usable Area. He didn't think he could get through the interpretation of the suitability / WUA in the next 3 weeks. So my question to you is, are you still interested in Coho habitat modeling if it wouldn't arrive until the end of March?

Thank you Todd for your help!

Thanks,

Katrina

On Thu, Feb 14, 2019 at 9:16 PM Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

Thanks, Katrina. That's not a bad idea -- I'll put a poke in with Kaylee and Jana to see if we can make some connections that way and have it worked into some other resource assistance they are providing for us. Talk soon --

Cathy

**Cathy Marcinkevage**

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On Feb 14, 2019, at 6:07 PM, Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)> wrote:

Hi Cathy -

Thank you for this great summary and additional information. I have left messages with our TRRP folks and will contact them again tomorrow to check in on availability to help with the SONCC habitat modeling and the River Basin Model - 10.

For the Stream Salmonid Simulator, we do not currently have Interagency Agreements in place with USGS or USFWS to run this model for the ROC on LTO. As USFWS is part of our ROC team, I guess I would think the first step would be asking them? I will get more information tomorrow as well from our TRRP folks just in case I'm missing something.

I will be in touch.

Thank you,

Katrina Harrison

On Thu, Feb 14, 2019 at 4:26 PM Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

Katrina --

After talking with our Trinity team, I've got some updates.

The three tools I mentioned this morning are **high priority** for NMFS to be able to complete an analysis of the effects of the project on the ROC on LTO. I've included info on contacts and potential paths forward with each item.

**SSS (stream salmonid simulator):** Russel Perry or John Plumb from USGS or Nick Som from USFWS have the capability to run the SSS (though we do not know about their availability or capacity to right now). This would likely be one to two weeks of work as an estimate. Not sure who from BOR would help move this along, but Caryn Hunt-DeCarlo from BOR TRRP may be able to help.

**SONCC coho habitat modeling:** TRRP BOR contact would be Todd Buxton. The best person to do it 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..

**River Basin Model-10 (RBM10):** 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 guessing two weeks.

**Katrina,** there are several BOR contacts (Caryn and Todd at the least). Is it possible to reach out to them and explore the potential for BOR to provide these items to us?

To me this seems like the critical next step for these items. **Russ,** do you see any hurdles to potentially acquiring the expertise of the TRRP (or USFWS, for the SSS)?

Feel free to contact me with any questions. Thanks!  
Cathy

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