

## Kristin Begun - NOAA Affiliate

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**From:** Kristin Begun - NOAA Affiliate  
**Sent:** Friday, June 14, 2019 12:36 PM  
**To:** Naseem Alston - NOAA Federal  
**Subject:** Re: ROC on LTO BiOp timeline and expectations

Okay, thanks. The temperatures I currently have in the ITS table are from the EPA life stage temperature requirements (e.g. exceed take if greater than 65 degrees for rearing juveniles). The other option was to using the average monthly modeling temperature, where take would be exceeded if they go over the average temps (e.g. 58.5 degrees in May at OBB for rearing juveniles during Critical years).

After discussion with Barb, she had the suggestion to hybridize these, so take is exceeded if the measured monthly average exceeds the modeled monthly average (but only if above the EPA criteria 7DADM temps). And if they exceed slightly, to avoid reinitiation trigger, allow a sum of monthly exceedances (e.g. 5 degrees total). For a T&C: Reclamation shall record the deviations of the monthly average of measured average daily water temperature at OBB from the modeled monthly average for that month/yeartype combination at OBB. I also liked Jeff's suggested T&C to have Reclamation model temperature profiles at Goodwin and Knights Ferry, where we don't currently have temperature data gauges.

I will work on this this weekend.  
Kristin

### Kristin Begun | Biologist

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On Fri, Jun 14, 2019 at 11:24 AM Naseem Alston - NOAA Federal <[naseem.alston@noaa.gov](mailto:naseem.alston@noaa.gov)> wrote:  
thanks.

I know we saw it there, but there was some confusing about which version and also conversation about what they were proposing vs what they were offering for T&Cs...

I'm looking through the tables right now, and let folks know if I have comments/questions/changes for them. For now I can add a comment regarding your choices.

Naseem O. Alston  
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On Fri, Jun 14, 2019 at 9:34 AM Kristin Begun - NOAA Affiliate <[kristin.begun@noaa.gov](mailto:kristin.begun@noaa.gov)> wrote:

Did you find the T&C document? I believe it's the ROC Conditions Master doc in the Conditions folder in ITS. BTW I'm planning to work a couple of hours tomorrow and half day on Sunday on ITS and HSR BO. For the ITS I need to figure out if I am just changing temperature compliance points downstream in SJR or changing take to follow average monthly temperature modeling tables. But similar problem with how they monitor temperature with limited gauge data if we use the modeling method.

On Thu, Jun 13, 2019 at 5:58 PM Naseem Alston - NOAA Federal <[naseem.alston@noaa.gov](mailto:naseem.alston@noaa.gov)> wrote:

Hi Garwin,

**ITS update:**

It is currently in 3 different pieces/documents, all in the ITS folder:

R:\Draft BiOp\2\_ESA\2.11 ITS

- 1) ITS v4 MASTER (updated text with table placeholder - includes Evan's write-up and WILL include Jeff's by maybe tomorrow morn?)
- 2) TABLES v4 (all updated but includes tracks)
- 3) RPMs/T&Cs - working draft (still under development, but structure is there, substance from the scratch pad is there - I wasn't clear where the "recommended" T&Cs were?)

THANKS TO Kristin, Sarah, Brittany, Jeff, and Evan for the good live editing and discussion session today!

FYI, I will likely get back to working on it later tonight.

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On Wed, Jun 12, 2019 at 11:17 PM Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:

Team,

Attached is a timeline (as of this morning) towards the successful completion and issuance of the ROC on LTO final BiOp on July 1. As the title of the document indicates, the timeline was distributed to the Federal Directors yesterday, and the rows and mini-milestones in green are what I added for internal tracking. I thought I hit send around 12:30 p.m., but just found the e-mail in my drafts label!

To catch everyone up, there is a revised proposed action in the works (I didn't check the e-mail distribution list, but I think Barb forwarded it to the whole team). There are still a few loose ends, but we're using the most recent version to do our supplemental analyses, rather than wait for the official final version.

As you know, things are moving really fast, with umpteen Federal Directors' meetings, decisions and verbal agreements, followed up eventually by capturing them in writing, and also changing priorities, direction, and expectations, from the Department of the Interior all the way down. So, we're planning for "the duration" (through signing on July), but prepared to be flexible.

With so much scrutiny on our BiOp, and the need to make sure we'll meet a final signed BiOp on July 1, I need to keep tabs on everyone and their assignments on a daily basis. Think of it as telework check in and check out e-mails. With both e-mails, I'll be able to evaluate progress, and coordinate with the management team. At the end of each day, I will evaluate workload and priorities, and send out an e-mail with priorities for the following day.

Here are 2 things to start out with:

1. Please let me (and Cathy and Howard) know if you can work this weekend (if yes, specify days, durations, times, etc.)
2. Below are team member, assignment, and status. Please review your row, and send me (and Cathy and Howard, but no need to reply all) clarifications, updates, confirmations, etc. While we're at it, please let me know what you will be working on tomorrow (Thursday), and if you have bandwidth to take on other tasks.

Sarah:

- Confirm that section 4.10.2.5 Spring Creek Debris Dam in the attached revised PA is what you analyzed.
- If the above is confirmed, please confirm that you are done with Clear Creek (CC) effects section (clean, no outstanding comments, EndNotes done).
- Please confirm that you are done quantifying the amount or extent of incidental take in CC.
- Status of terms and conditions?

Evan:

- Working on quantifying the amount or extent of incidental take in the Shasta Division. ETA?
- Shasta Division terms and conditions?

Brittany:

- Please confirm that the American River Division effects section is done (clean, no outstanding comments, EndNotes done).
- Please confirm that you are done quantifying the amount or extent of incidental take in the American River Division.
- Status of terms and conditions?

Kristin:

- Please confirm that the East Side Division effects section is done (clean, no outstanding comments, EndNotes done).
- Please confirm that you are done quantifying the amount or extent of incidental take in the East Side Division.
- Status of terms and conditions?

Jeff:

- Working on quantifying the amount or extent of incidental take in the Delta Division. ETA?
- Delta Division terms and conditions?
- Working on and coordinating supplemental Delta analysis with Barb.

Barb:

- Working on and coordinating supplemental Delta analysis with Jeff.

Joe:

- On leave 6/13 and 6/14
- Monitoring section in the ITS

-- Steelhead and GS I&S sections: Status? Also, status of cross-checking the I&S tables with the effects tables?

Brian:

-- WR and SR I&S sections: Status? Also, status of cross-checking the I&S tables with the effects tables?

Dan:

-- On leave, but when back, incorporate IOS changes from Chinook salmon analysis

Susan:

-- EndNotes site-while-you-write for sections

-- Section clean-up

Norma:

-- End notes library

Cathy:

-- Supplemental analysis for the Shasta Division

Naseem:

-- ITS: Status?

-Garwin-

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*Garwin Yip*

Water Operations and Delta Consultations Branch Chief

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