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**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Tuesday, May 7, 2019 12:59 PM  
**To:** Rosalie del Rosario - NOAA Federal  
**Cc:** Brown, Howard; Garwin Yip - NOAA Federal; Cathy Marcinkevage - NOAA Federal; Susan\_Boring@fws.gov; Barbara Byrne - NOAA F... (Google Drive)  
**Subject:** Re: ROC LTO - draft winter-run I&S

Hi Rosalie,  
Attached is the winter-run I&S draft with your comments addressed (hopefully).

I'm on leave most of this week, but trying to keep things moving. I'm checking email periodically, but not glued to it. Probably best to call if you want to discuss the responses. 916-955-7628

Thanks,  
Brian

On Fri, Apr 26, 2019 at 10:17 AM Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:  
Thanks, Rosalie.

Brian (and the rest)--Definitely track changes on the whole time.

Brian and Joe--FYI, Cathy, Howard (latter part of call), and Rosalie met yesterday to discuss Rosalie's general comments, below, and agreed with them, and that they apply to the other species I&S sections for consistency. Thanks for the heady lift on these important sections.

-Garwin-

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*Garwin Yip*  
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On Fri, Apr 26, 2019 at 10:06 AM Rosalie del Rosario - NOAA Federal <[rosalie.delrosario@noaa.gov](mailto:rosalie.delrosario@noaa.gov)> wrote:

Hi Brian,

Track changes will be helpful for my next review. Folks can turn them off if it gets too crazy! 😊

Rosalie

On Fri, Apr 26, 2019 at 10:02 AM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:

Unless I hear otherwise, I will have track changes on so it's clear how each comment was addressed.

On Fri, Apr 26, 2019 at 9:51 AM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:

Thanks Rosalie. I'll start on these now.

On Fri, Apr 26, 2019 at 9:33 AM Rosalie del Rosario - NOAA Federal <[rosalie.delrosario@noaa.gov](mailto:rosalie.delrosario@noaa.gov)> wrote:

Hi Brian,

Thanks for the draft. I offer preliminary comments on the draft winter run I&S section for your consideration.

Main comments:

- 1) use regulatory language of "likelihood of survival" and "likelihood of recovery" (rather than extinction) in the risk to ESU section. I offer some suggestions for your consideration.
- 2) how to present effects that are "uncertain" in the I&S tables. Probably shouldn't have uncertainty in the I&S tables given our effects analyses are based on assumptions we had to make in absence of information. For uncertainties with programmatic actions, we can describe our assumptions and note the uncertainties with programmatic actions may introduce additional risk to species.
- 3) double check in Tables that response of individuals and probable change in fitness are compatible.
- 4) suggest more explicit analyses of PBFs in the CH section.

Please let me know if you have any questions.

Thanks,

Rosalie

On Mon, Apr 22, 2019 at 2:03 PM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:

Hi Rosalie,

Here's a draft of the subject doc for your review. You'll see there is still a bit of a placeholder/text to incorporate related to Shasta Reservoir temperature management, but otherwise it is ready for review.

It's also saved here:

R:\Draft BiOp\2\_ESA\2.8-2.9 Integration and Synthesis and Conclusion

Thanks,

Brian

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**Brian Ellrott**

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