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**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Monday, March 25, 2019 5:14 PM  
**To:** Joe Heublein - NOAA Federal  
**Cc:** Howard Brown - NOAA Federal; Cathy Marcinkevage; Garwin Yip  
**Subject:** Re: Update on Delta effects analysis -- status by project component

Joe, I think you are correct to prioritize the Delta components over the other items; but defer to the ROC managers on the final call. **I didn't see a deadline in Howard's e-mail; did you get a firm timeframe yet? I** would suggest trying to get through at least some of them by 3/28, prioritizing those which are most likely relevant for our jeopardy analysis (I think many are too vague or have no effect on salmonids, so less urgent).

Re: item 3: **Can you send me the page refs for the "non-natal rearing effects" sections you found in the CWF BiOp?** That should get us pretty close, and I can package into an "overall effects section header", with Division by Species table and those "overarching" paragraphs that may apply to several Divisions. Kristin and I have talked about that for SR and GS for the Stan section.

On Mon, Mar 25, 2019 at 5:03 PM Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)> wrote:  
Sounds good, assuming I should prioritize these Delta action components over the following:

- American River Division effects (Brian is working on that now)
- Feather River Division effects (short boiler plate paragraph)
- Non-natal rearing effects (American/Stan winter-run, spring-run, and/or green sturgeon)

Let me know if that assumption is correct

Thanks

Joe

On Mon, Mar 25, 2019 at 3:56 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:

Hi Joe,

We need some help addressing some Delta actions and Cathy gave me the green light to direct these toward you. Specifically, we need help addressing the the Delta action components that are highlighted blue in the attached sheet. A few of these are easy, for example, the intervention measures are for Delta smelt, so our analysis would basically saying that these actions would not affect our species. Most of the other ones would require short, high level programmatic narratives. The Delta restoration action seems daunting but I would suggest talking with Barb about it; she seems to have a handle on how to work with it.

Thanks in advance!

Howard

----- Forwarded message -----

From: **Barbara Byrne - NOAA Federal** <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)>

Date: Mon, Mar 25, 2019 at 2:44 PM

Subject: Update on Delta effects analysis -- status by project component

To: Jeffrey Stuart - NOAA Federal <[jeffrey.stuart@noaa.gov](mailto:jeffrey.stuart@noaa.gov)>

Cc: Howard.Brown <[Howard.Brown@noaa.gov](mailto:Howard.Brown@noaa.gov)>, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>, Cathy Marcinkevage <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>, Kristin Begun - NOAA Affiliate <[kristin.begun@noaa.gov](mailto:kristin.begun@noaa.gov)>

Jeff -- See the attached for the assignment status based on our discussion after the ROConLTO check-in meeting this afternoon. Green=things on track to be done by 3/28; Pink=things back on your plate due 3/28; Yellow & Blue = things reassigned to others.

**Bottom line? Please send write-ups for "Agricultural Barriers" and "Clifton Court Predator Management", on the original timeframe of by COB Thursday, 3/28.** Please focus on the key effects necessary for the I&S section (e.g., maybe the details of predator management don't matter too much because survival doesn't seem to be much affected?) and incorporate the deluge of materials we got by reference rather than try to do a detailed summary.

Barb

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**Barb Byrne**

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