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**From:** Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>  
**Sent:** Tuesday, April 9, 2019 8:51 PM  
**To:** j.stuart@noaa.gov  
**Cc:** Howard Brown; Cathy Marcinkevage; Barbara Byrne  
**Subject:** Re: Delta Effects Bullets

Jeff,

Please confirm (through edits to the attached bullets), or clarify, my understanding in my e-mail, below, specifically, " Also, you mentioned yesterday that the estimated offramp of 95% juvenile steelhead emigration out of the delta would be around April 27, which would mean much less protection for San Joaquin steelhead (I:E ratio spans April 1-May 31 which isn't proposed, and any protections steelhead would've had with OMR and the density trigger would be offramped). Do those points show up in your briefing paper?"

-Garwin-

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*Garwin Yip*  
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----- Forwarded message -----

**From:** J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)>  
**Date:** Tue, Apr 9, 2019 at 2:34 PM  
**Subject:** Re: Delta Effects Bullets  
**To:** Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>  
**Cc:** Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)>, Cathy Marcinkevage <[Cathy.Marcinkevage@noaa.gov](mailto:Cathy.Marcinkevage@noaa.gov)>, Barbara Byrne <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)>

Corrected table with the "right" headers (and an explanation for how to get loss from the salvage numbers from the generic multipliers). Sent this to Brian earlier to help him with his I&S section, forgot to attach it this morning to my earlier email to all of you

On Tue, Apr 9, 2019 at 11:23 AM Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:

Thanks Jeff. Did you intend to attach the delta effects bullets with the corrections?

Also, you mentioned yesterday that the estimated offramp of 95% juvenile steelhead emigration out of the delta would be around April 27, which would mean much less protection for San Joaquin steelhead (I:E ratio spans April 1-May 31 which isn't proposed, and any protections steelhead would've had with OMR and the density trigger would be offramped). Do those points show up in your briefing paper?

-Garwin-

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On Tue, Apr 9, 2019 at 10:15 AM J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)> wrote:

Morning Howard,

I corrected an oversight on my part in the bullets I sent you last week. The numbers provided in the modelling for salvage density are for salvage, based on historical salvage numbers and proposed exports. I had labelled them as loss. to get to loss values, the SWP salvage should be expanded by 4.33 (multiplier) and the CVP should be multiplied by 0.68 (typical multipliers for the two facilities). The trend is unchanged, more exports create more salvage and more listed salmonids will be salvaged under the PA than the COS, but the estimated loss, particularly for the SWP component is much greater than the estimated increase in salvage. The PA is actually worse than I had originally told you. Sorry I didn't catch my misstatement earlier. Things are moving a little too quickly to do an adequate check on our drafts and catch any errors or omissions.

Jeff

Jeff

On Wed, Apr 3, 2019 at 11:31 AM J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)> wrote:

Hi Howard,

Here is a quick highlights of the Delta findings. There are other things to discuss but this hits the key points.

Jeff

On Wed, Apr 3, 2019 at 10:07 AM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:

Hi Jeff,

Thanks for your candid comments yesterday about the Delta Effects Analysis. We have been elevating significant concerns to the Directors for awhile and so far have not signaled any concerns regarding to what you mentioned to Barry yesterday. We have a 3 agency director meeting tomorrow and it would be helpful to have some talking points about what your analysis is revealing. I am meeting with Maria and Barry today at noon and I am going to need at least a first cut of talking points for to have ready for that conversation. Can you please put something together for me by noon?

Thank you!  
howard

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**Howard L. Brown**

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