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**From:** J. Stuart - NOAA Federal <j.stuart@noaa.gov>  
**Sent:** Tuesday, April 9, 2019 10:16 AM  
**To:** Howard Brown - NOAA Federal  
**Cc:** Garwin Yip; Cathy Marcinkevage; Barbara Byrne  
**Subject:** Re: Delta Effects Bullets

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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