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**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Tuesday, May 21, 2019 3:49 PM  
**To:** Yip, Garwin  
**Subject:** Fwd: ROC LTO - w-r I&S effects summary table

See suggested re-write from Jeff below.

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

From: **J. Stuart - NOAA Federal** <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)>  
Date: Tue, May 21, 2019 at 5:32 PM  
Subject: Re: ROC LTO - w-r I&S effects summary table  
To: Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)>

I'd be careful with that statement. The last 25% percent of the Chipps Island catch occurs between the beginning and end of April/ first week of May. However, the last 5% of winter-run salvage occurs between the beginning and end of April (approximately). So the population of winter-run seen at Chipps Island in April may already be in the western Delta away from the effects of the exports. The last 5% of the population salvaged in April would definitely be exposed to increased exports. You might phrase it as a minimum of 5% of the population will be exposed, and potentially more depending on their location in the southern and western Delta waterways.

On Tue, May 21, 2019 at 1:56 PM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:  
Thanks. Hang in there!

Also, I just wrote the following in response to a comment from Garwin about the April and May exports only affecting the very tail end of emigration. Please review and revise as necessary.

"Based on Chipps Island trawl data from 1994 through 2017, 75 percent of the winter-run Chinook salmon catch occurs on average by April 2, indicating that just over 25 percent of the run could be exposed to the increased exports under the PA in April and May."

On Tue, May 21, 2019 at 12:39 PM J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)> wrote:  
Got it. On a conference call regarding the Delta right now with reclamation - frustrating to say the least

On Tue, May 21, 2019 at 12:37 PM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:  
Hey Jeff,  
Garwin flagged a few effects he was expecting to see in the w-r table and this was one for the Delta:

Onset of OMR flow management is when 5% juvenile WR are in the delta, or no earlier than 1/1, and offset is when 95% have exited Chipps Island, so shoulders aren't protected in the Delta, and that's after knocking off the tail ends in the upper Sac.

Can you add a row to address this or otherwise work it into an existing row if appropriate? Please work in the attached and send it back to me to paste back in to

the main doc. Let me know whether or not you can do this today (trying to send the I&S to Reclamation tomorrow and mgmt will need some time to clear it). Thanks!

Brian

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**Brian Ellrott**

*Central Valley Salmonid Recovery Coordinator  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Mobile: 916-955-7628  
Office: 916-930-3612  
[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)*

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**Jeffrey S. Stuart, M.S.**  
*Fishery Biologist*

*NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814-4706*

Office: 916-930-3607  
[J.Stuart@noaa.gov](mailto:J.Stuart@noaa.gov)



Find us online  
[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)



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**Brian Ellrott**

*Central Valley Salmonid Recovery Coordinator  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Mobile: 916-955-7628  
Office: 916-930-3612  
[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)*

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**Jeffrey S. Stuart, M.S.**  
*Fishery Biologist*

*NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814-4706*

Office: 916-930-3607  
[J.Stuart@noaa.gov](mailto:J.Stuart@noaa.gov)



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[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)



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**Brian Ellrott**  
*Central Valley Salmonid Recovery Coordinator  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Mobile: 916-955-7628  
Office: 916-930-3612  
[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)*