

---

**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Sunday, April 21, 2019 7:29 PM  
**To:** Dan Lawson - NOAA Federal  
**Cc:** Garwin Yip - NOAA Federal  
**Subject:** Re: Southern Resident effects and I&S

Dan -- I am pulling together a list of "stressor minimization measures" to send for internal review on Wednesday. In many cases, any measures we list for listed species may help fall-run as well, but do you have any specific suggestions in relation to SRKW?

On Fri, Apr 19, 2019 at 5:25 PM Dan Lawson - NOAA Federal <[dan.lawson@noaa.gov](mailto:dan.lawson@noaa.gov)> wrote:  
Greetings all

I just wanted to let you know I have placed updated drafts of the effects analysis and Integration in appropriate ROC folders. While the drafts are complete, there are some outstanding questions identified by my comments that would be helpful to get input on from CV salmon folks and the group here. To highlight:

1. I have been tracking the hatchery question, and the last I saw Nimbus is not part of the proposed or interrelated/interdependent actions. These drafts reflect this. Any change to this aspect has relevance here.
2. I have some questions regarding relative characterization of some of the big stressors between ESA-listed Chinook ESU and non-listed. At the moment, I generally consider the main stressors for the listed Chinook to be similar in the scope and scale of their effects to non-listed Chinook. But I have set the table to offer any further clarification of that in the effects analysis as i could imagine there might be some important differences in either direction worth noting. This would also be very important for me to understand to think about the next sections of the opinion that would follow.

I am not quite sure what my next step is. While I know that I will have Penny review things asap/simultaneously with other reviews, I don't think I would want to start that until we have talked about these questions and the overall state of affairs regarding the review. I'll be standing by for further orders.

Dan

--

Dan Lawson  
NMFS Protected Resources Division  
West Coast Region  
7600 Sand Point Way NE, Bldg 1  
Seattle WA 98115  
206-526-4740

--

**Barb Byrne**  
Fish Biologist  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Office: 916-930-5612

[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)

California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814



**Find us online**

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

