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**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Tuesday, May 14, 2019 12:13 PM  
**To:** Stuart, Jeff  
**Subject:** Re: ROC LTO winter-run I&S critical habitat table

Same for spring-run. I thought DCC routing and south Delta exports would adversely impact spring-run PBF#3, but they are not included in the CH table in the I&S.

Spring-run PBF #3:

Freshwater migration corridors free of obstruction with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival. These features are essential to conservation because without them juveniles cannot use the variety of habitats that allow them to avoid high flows, avoid predators, successfully compete, begin the behavioral and physiological changes needed for life in the ocean, and reach the ocean in a timely manner.

One could argue that DCC routing and south Delta exports impact water quantity and quality conditions such that juvenile salmon experience greater contact with predators and do not reach the ocean in a timely manner.

Would like to know how you're thinking about this.

On Sat, May 11, 2019 at 6:29 AM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:

Jeff,

For the w-r critical habitat summary table, I didn't see DCC routing or exports from the south Delta pumps listed as stressors. Those should be included, right?

Take a look at the CH table in this file to see what I'm talking about. I added a comment to you on this. Let me know what you think.

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2.8 Integration and Synthesis ELLROTT WR V2.rd bje-GY

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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**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)