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**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Tuesday, April 9, 2019 5:47 PM  
**To:** Joe Heublein - NOAA Federal  
**Cc:** Cathy Marcinkevage - NOAA Federal; Evan Sawyer - NOAA Affiliate; J. Stuart; Brian Ellrott; Brittany Cunningham - NOAA Affiliate; Kristin McCleery - NOAA Affiliate; Sarah Gallagher - NOAA Federal; Boring, Susan; Naseem.Alston; Garwin Yip; Howard Brown; Norma Hinton - NOAA Affiliate  
**Subject:** Re: Steelhead I&S tables

Joe, there are two I&S table for steelhead for the East Side Division in R:\Draft BiOp\2\_ESA\2.8-2.9 Integration and Synthesis and Conclusion

*Stanislaus I&S tables for species and CH\_DO Requirement SH nh 4.9.2019.doc* (completed by Kristin on time, converted to Word by Norma)

*Stanislaus I&S table for species\_Seasonal Ops and SRP\_SH.doc* (completed by me late directly in Word, uploaded just now -- **no need for Norma to reformat**)

I don't have rows for the Stanislaus Conservation Measures; they might increase spawning and rearing habitat so don't really fit in as a "stressor". While those projects could move the needle a bit on spawning and rearing habitat, I don't think they are large enough to really change the categories for the ops-related stressors and effects to spawning and rearing habitat.

On Tue, Apr 9, 2019 at 4:41 PM Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)> wrote:  
All,

I'm trying to put together a worksheet for Norma to convert steelhead I&S tables to word. The excel worksheet is saved here-

R:\Draft BiOp\2\_ESA\2.8-2.9 Integration and Synthesis and Conclusion\SH Tables

I think I have Shasta, Clear Cr, American, and Delta Divisions tabs in the worksheet but if you want to take a quick look and see if that's up to date the would be great. Otherwise, I think I just need Stanislaus/Eastside. Sorry if it's already in the larger I&S folder, I'm getting confused with all the similar word docs.

Thanks

Joe

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