From: Evan Sawyer - NOAA Federal <evan.sawyer@noaa.gov>

**Sent:** Friday, April 5, 2019 11:03 AM

**To:** Joe Heublein - NOAA Federal; Brian Ellrott

**Cc:** Garwin Yip - NOAA Federal; Cathy Marcinkevage - NOAA Federal

**Subject:** Status of Sacramento I&S table

Hey Joe, Brian,

I don't want to keep you waiting so I'm letting you know that the I&S tables for the Sacramento River effects is updated on the ROCON drive. I feel it's up to date for WR and GS but I need to review SR and Sh. I also have to do CH but I'm struggling a bit because the format that CH is presented in the effects section is different than for species. Anyway, I'm trying to accommodate your schedule as best I can. You can find the table here: R:\Draft BiOp\2\_ESA\2.5-2.6 Effects of the Action\Shasta Division\Sacramento River\2019.03.21\_Excel template for I&S tables for Sacramento River.xls

One thing (or many) about the species effects are I still son't know how we are (or aren't) incorporating the programmatic action components. I've included them in the tables but you can see the results are... uncertain.

Oh, and If you have ANY opinions on what's in the table let me know and we can discuss.

## Evan

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## Evan Bing Sawyer,

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