

Barbara Byrne - NOAA Federal

From: Barbara Byrne - NOAA Federal
Sent: Thursday, June 13, 2019 9:29 AM
To: Kristin Begun - NOAA Affiliate
Subject: Re: East Side clean-up and Stanislaus east side ITS questions

Kristin -- my response below, in blue.

On Thu, Jun 13, 2019 at 9:18 AM Kristin Begun - NOAA Affiliate <kristin.begun@noaa.gov> wrote:

Hi Barb,

1. The east side effects section still have some track changes that need to be accepted so we can get a clean version on the server today. Track changes are mostly mine and Susan formatted some tables. Most major edit was updating the temporal occurrence table for adult steelhead, and changing related text to "year round" which we discussed. Do you have time to look through or do you want me to accept and make a "clean" version? **Please just accept and make a "clean" version. If you have time, please add a row for CCV steelhead adult effects (I'd focus on unsuitable water temps for migration during late spring to early fall - check the temp tables for description of months/yeartypes when not suitable) to the SJR effects table (in the SJR effects to species, and add i the SH I&S section as well. If you don't have time-- don't worry about it.**

2. Are there temperature compliance points on the Stanislaus River? **If you mean gages that measure temperature, the only gages I know of are OBB, RPN, and RIP (see stations under Stanislaus R at <http://cdec.water.ca.gov/wquality/>)** Our ITS language (which is borrowed from the 2009 BO) includes ecological surrogates based on temperature (different for different life stages) at OBB, GDW, and SJR @ the confluence of Stanislaus. Quickly looking at CDEC, I do not see temperature data for GDW or SJR at Stanislaus. There is temp data at Mossdale, but that's the downstream extent. I suppose I could change the location, but if the requirement is no warmer than 65 degrees F (for juveniles) at the Stanislaus confluence, I'm not sure what temp should be the max at Mossdale. I suppose we could keep it at 65 degrees and hope it doesn't get much hotter than that upstream at times when fish are migrating. Any thoughts? **I think we should use gages for which temp data is available, so I'd limit to OBB (the RPA has a compliance point at Knights Ferry, which we estimate based on OBB temp based on a relationship developed using a few years of temp-logger data at Knights Ferry -- but we don't have that for other locations). I think all the modeling shows that temps (especially if you allow for max temps, not just the monthly ave temps modeled) are going to exceed 65 in some months and years, so not sure that setting the ITS to something the PA shows will happen is workable. Give me a call if you want, though I'll be in meetings from 11:30 onward. Maybe we can discuss at the ROC meeting if there's time.**

Thanks!
Kristin

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