

## Kristin Begun - NOAA Affiliate

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**From:** Kristin Begun - NOAA Affiliate  
**Sent:** Friday, June 14, 2019 9:56 AM  
**To:** Barbara Byrne - NOAA Federal  
**Subject:** East Side ITS section

Hi Barb,

We had a group discussion about the ITS section yesterday. We briefly discussed how to handle take for Stanislaus and San Joaquin effects. I need to edit the tables so that they don't mention temperature compliance at locations we don't have temperature gauge data for.

I could either move SJR compliance points downstream to where there are gauge locations (Ripon/Vernalis/Mossdale) and keep just OBB location on the Stanislaus, OR change take to cover average monthly temps in the modeling tables, maybe incorporating exceedance percentiles (can exceed X% of year?) and if exceeded what action to take to reduce rather than instantly triggering reinitiation. We could also add a T&C that Reclamation shall develop a temperature profile model for GDW to OBB and Knights Ferry to OBB.

What do you think of those options?

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On Thu, Jun 13, 2019 at 9:17 AM Kristin Begun - NOAA Affiliate <[kristin.begun@noaa.gov](mailto: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?

2. Are there temperature compliance points on the Stanislaus River? 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?

Thanks!

Kristin

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