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**From:** Eric Danner - NOAA Federal <eric.danner@noaa.gov>  
**Sent:** Thursday, April 27, 2017 11:21 AM  
**To:** Garwin Yip; Brycen Swart - NOAA Federal  
**Subject:** Fwd: Upper Sacramento River temperature & biological models meeting - Red Bluff rotary screw trap report  
**Attachments:** RBDD\_RST\_Compendium\_FINAL\_Report\_040402\_093013.pdf.1esgp2.partial

FYI

----- Forwarded message -----

From: **Sheila Greene** <[sgreenewestlandswater.org](mailto:sgreenewestlandswater.org)>  
Date: Thu, Apr 27, 2017 at 11:14 AM  
Subject: Upper Sacramento River temperature & biological models meeting - Red Bluff rotary screw trap report  
To: [benjamin.martin@noaa.gov](mailto:benjamin.martin@noaa.gov), [eric.danner@noaa.gov](mailto:eric.danner@noaa.gov), [miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)  
Cc: Hanson Chuck <[chanson@hansonenv.com](mailto:chanson@hansonenv.com)>, Azhderian Ara <[ara.azhderian@sldmwa.org](mailto:ara.azhderian@sldmwa.org)>

Hi again all,

At the Tuesday meeting I mentioned something about the Red Bluff rotary screw that is an issue. Under several conditions the screw traps are raised for sometimes long periods of time. Most of those conditions are when lots of fish are passing. They raise them when the river flow is too high because debris in the water may damage the traps; they raise them when they make a large hatchery release because they don't want to catch all those fish; they raise them and subsample if they are approaching a take level. Under all of these conditions an increased number of fish are expected to pass the traps when they are raised. USFWS interpolates values for those non-sampled days by averaging before and after raising the traps and interpolating. I am attaching the report for your reference. This method ends up underestimating the passage.

From page 4 of the attached report: "When days

or weeks were unable to be sampled, mean daily passage estimates were imputed for missed days based on weekly or monthly mean daily estimates (i.e., interpolated)."

*Sheila Greene*

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