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**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Monday, April 1, 2019 12:15 PM  
**To:** Barbara Byrne - NOAA Federal; Cathy Marcinkevage  
**Cc:** Sarah Gallagher - NOAA Federal  
**Subject:** Re: [EXTERNAL] Plots / Temp help

Thanks Barb.

I'll swap out the figures from the BA (the ones with WOA in them) that I used in the American effects section with these now.

Cathy, I know we talked about someone else doing that, but I know where they go and should only take a few minutes.

On Mon, Apr 1, 2019 at 11:52 AM Barbara Byrne - NOAA Federal <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)> wrote:  
Sarah & Brian -- Forwarding some of your completed info requests.

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

**From:** Micko, Steve/SAC <[Steve.Micko@jacobs.com](mailto:Steve.Micko@jacobs.com)>  
**Date:** Mon, Apr 1, 2019 at 11:48 AM  
**Subject:** RE: [EXTERNAL] Plots / Temp help  
**To:** Barbara Byrne - NOAA Federal <[Barbara.byrne@noaa.gov](mailto:Barbara.byrne@noaa.gov)>, Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>  
**Cc:** Harrison, Katrina E <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)>, Pinero, Janice <[jpinero@usbr.gov](mailto:jpinero@usbr.gov)>, Benjamin Nelson <[bcnelson@usbr.gov](mailto:bcnelson@usbr.gov)>, Leaf, Rob/SAC <[Rob.Lead@jacobs.com](mailto:Rob.Lead@jacobs.com)>

Hi Barb and Cathy,

The following are attached:

- Reclamation\_ROConLTO\_Trend\_Reporting\_rev02cy\_Temp\_3sty\_ELtQ5\_HEC5Q\_RECTEMP\_\_WO A11\_COS6\_PA5(woVSA)\_011519\_BiOps.xlsm
  - Trend reporting Excel file with added output parameters (Clear Creek below Whiskeytown, Clear Creek at Igo, and Clear Creek at Mouth).
- ROConLTO - 16 Amer R at Watt Temperature Exceedance\_SameScale.pdf
  - PDF with exceedance plots of COS 011319 and PA 011519 at American River at Watt temperature for April through September. These plots all have the same y-axis range (52 to 84 degrees Fahrenheit).
- ROConLTO - 16 Amer R at Watt Temperature Exceedance\_MonthByMonthScale.pdf
  - PDF with exceedance plots of COS 011319 and PA 011519 at American River at Watt temperature for April through September. The y-axis range is focused to the resultant range for each month.

Please let me know if you have any questions.

Best,

Steve

**From:** Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)>

**Sent:** Friday, March 29, 2019 5:27 PM

**To:** Micko, Steve/SAC <[Steve.Micko@jacobs.com](mailto:Steve.Micko@jacobs.com)>

**Cc:** Barbara Byrne - NOAA Federal <[Barbara.byrne@noaa.gov](mailto:Barbara.byrne@noaa.gov)>; Pinero, Janice <[jpinero@usbr.gov](mailto:jpinero@usbr.gov)>; Benjamin Nelson <[bcnelson@usbr.gov](mailto:bcnelson@usbr.gov)>; Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>

**Subject:** [EXTERNAL] Plots / Temp help

Hi Steve -

See attached for some requested modified plots and additional temperature outputs from Clear Creek for the ROC on LTO analysis for NMFS. If you could send these back to Barb and Cathy at NMFS that would be great.

Thank you!

Katrina Harrison

Bay-Delta Office

Bureau of Reclamation

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**Barb Byrne**

Fish Biologist

*NOAA Fisheries West Coast Region*

*U.S. Department of Commerce*

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**Brian Ellrott**

*Central Valley Salmonid Recovery Coordinator*

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