From: Brian Ellrott - NOAA Federal <bri>brian.ellrott@noaa.gov>

Sent:Wednesday, April 3, 2019 10:08 AMTo:Cathy Marcinkevage - NOAA FederalSubject:Re: [EXTERNAL] Plots / Temp help

Yes, those I got.

I haven't seen the updated figures of cdec temp data though (specified in a separate email string). Those are critical to the analysis, so if they are not going to provide them, we'll need to get on it.

On Wed, Apr 3, 2019 at 9:56 AM Cathy Marcinkevage - NOAA Federal <<u>cathy.marcinkevage@noaa.gov</u>> wrote:

You got these before, right? I think Barb sent them?

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

From: Micko, Steve/SAC < Steve. Micko@jacobs.com >

Date: Mon, Apr 1, 2019 at 11:48 AM

Subject: RE: [EXTERNAL] Plots / Temp help

To: Barbara Byrne - NOAA Federal < <u>Barbara.byrne@noaa.gov</u>>, Cathy Marcinkevage - NOAA Federal

<cathy.marcinkevage@noaa.gov>

Cc: Harrison, Katrina E < kharrison@usbr.gov >, Pinero, Janice < jpinero@usbr.gov >, Benjamin Nelson

<<u>bcnelson@usbr.gov</u>>, Leaf, Rob/SAC <<u>Rob.Leaf@jacobs.com</u>>

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
  - o Trend reporting Excel file with added output parameters (Clear Creek below Whiskeytown, Clear Creak 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 < <a href="mailto:kharrison@usbr.gov">kharrison@usbr.gov</a> > Sent: Friday, March 29, 2019 5:27 PM  To: Micko, Steve/SAC < <a href="mailto:Steve.Micko@jacobs.com">Steve.Micko@jacobs.com</a> > Cc: Barbara Byrne - NOAA Federal < <a href="mailto:Barbara.byrne@noaa.gov">Benjamin Nelson &lt;<a href="mailto:bcnelson@usbr.gov">bcnelson@usbr.gov</a>&gt;; Cathy Marcinkevage - NOAA Federal &lt;<a href="mailto:cathy.marcinkevage@noaa.gov">cathy.marcinkevage@noaa.gov</a>&gt; Subject: [EXTERNAL] Plots / Temp help</a> |
| 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  |
| Office: (916) 414-2425   |
| Cell: (916) 606-8793   |
|  |

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## **Brian Ellrott**

Central Valley Salmonid Recovery Coordinator NOAA Fisheries West Coast Region U.S. Department of Commerce

Mobile: 916-955-7628 Office: 916-930-3612 brian.ellrott@noaa.gov