From:	Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov></barbara.byrne@noaa.gov>
Sent:	Monday, April 1, 2019 11:52 AM
To:	Sarah Gallagher - NOAA Federal; Ellrott, Brian
Cc:	Cathy Marcinkevage
Subject:	Fwd: [EXTERNAL] Plots / Temp help

Sarah & Brian -- Forwarding some of your completed info requests.

------ Forwarded message ------From: Micko, Steve/SAC <<u>Steve.Micko@jacobs.com</u>> 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 <<u>cathy.marcinkevage@noaa.gov</u>> Cc: Harrison, Katrina E <<u>kharrison@usbr.gov</u>>, Pinero, Janice <<u>jpinero@usbr.gov</u>>, 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
 - 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 <<u>kharrison@usbr.gov</u>>
Sent: Friday, March 29, 2019 5:27 PM
To: Micko, Steve/SAC <<u>Steve.Micko@jacobs.com</u>>
Cc: Barbara Byrne - NOAA Federal <<u>Barbara.byrne@noaa.gov</u>>; Pinero, Janice <<u>jpinero@usbr.gov</u>>;
Benjamin Nelson <<u>bcnelson@usbr.gov</u>>; Cathy Marcinkevage - NOAA Federal <<u>cathy.marcinkevage@noaa.gov</u>>
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

Office: (916) 414-2425

Cell: (916) 606-8793

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Barb Byrne Fish Biologist *NOAA Fisheries West Coast Region U.S. Department of Commerce* Office: 916-930-5612

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