

---

**From:** Joe Heublein - NOAA Federal <joe.heublein@noaa.gov>  
**Sent:** Saturday, May 4, 2019 8:54 AM  
**To:** Cathy Marcinkevage; Brian Ellrott; Brittany Cunningham - NOAA Affiliate; Stephen Maurano - NOAA Federal; Yip', 'Garwin  
**Subject:** Fwd: OCAP American River Water Temperature Updates  
**Attachments:** NMFS OCAP American River Water Temperature Revisions 4.5.19.pdf; NMFS OCAP American River WT Data Notes.xls

Not sure if Brittany was referring to the attached updated figures but we didn't have a chance to incorporate these in the version Garwin reviewed.

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

**From:** **Cathy Marcinkevage - NOAA Federal** <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>  
**Date:** Fri, Apr 5, 2019 at 2:39 PM  
**Subject:** Fwd: OCAP American River Water Temperature Updates  
**To:** Brian Ellrott <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)>, Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)>

I know you don't have time for these now, but here they are! We can work out how/who gets them into your sections, if not you.

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

**From:** **Westbrook, Mark** <[mwestbrook@usbr.gov](mailto:mwestbrook@usbr.gov)>  
**Date:** Fri, Apr 5, 2019 at 2:25 PM  
**Subject:** OCAP American River Water Temperature Updates  
**To:** <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>, Micko, Steve/SAC <[Steve.Micko@jacobs.com](mailto:Steve.Micko@jacobs.com)>  
**Cc:** Nelson, Benjamin <[bcnelson@usbr.gov](mailto:bcnelson@usbr.gov)>

Hello,

I've attached the revisions to the sheets. I've also included the captions and a paragraph that also needed updating. Let me know if there is anything else.

I may process the data differently so I also attached the notes that I keep for the data acquisition and processing.

Sorry for the delay. Let me know if you have any questions.

--  
Mark Westbrook  
Student Trainee (Engineering)  
916-414-2430

--

Joe Heublein  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814  
Office: 916-930-3719  
FAX: 916-930-3629  
[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)  
[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)

