
From: Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>
Sent: Friday, April 12, 2019 1:41 PM
To: Howard.Brown; Garwin Yip - NOAA Federal; Cathy Marcinkevage; Joe Heublein - NOAA Federal; Ellrott, Brian
Cc: Kristin Begun - NOAA Affiliate
Subject: Full Stan & SJR analysis and I&S tables* posted

(alert -- I found an error in my Stan SR temperature evaluation and revised the effects write-up and made a minor revision to the I&S table to fix)

I am done with my BiOp sections (see V4), including
2.5.7 Effects to Species (SH and SR) for the Stanislaus River (includes Kristin's sections)
2.5.8 Effects to Species (SH and SR and GS) for the San Joaquin River.
2.6.7 Stanislaus River CH
2.6.8 San Joaquin River CH.

Additionally, I drafted (a while ago) introductory text (included in this doc in the appropriate section) for:
2.5 Effects to species
2.6 Effects to Critical Habitat

I am complete with all I&S tables **EXCEPT for those related to CH:**

Stanislaus SH
Stanislaus SR
San Joaquin SH
San Joaquin SR

I did a quickie evaluation of green sturgeon in the SJR, but basically deferred to the Delta section so there is no I&S table for San Joaquin GS

New docs:

2.5 and 2.6 East Side Effects V4.doc in CVP ROCON\Draft BiOp\2_ESA\2.5-2.6 Effects of the Action\East Side Division: Contains (a) complete SJR "division" and (b) updated Stanislaus (see first revision bullet below) and (c) CH and (d) some intro text to Effects to Species and Effects to CH sections. Only (a) and (b) have changed since V3.

San Joaquin I&S table for species_SH.doc in CVP ROCON\Draft BiOp\2_ESA\2.8-2.9 Integration and Synthesis and Conclusion\SH Tables

San Joaquin I&S table for species_SR.doc in CVP ROCON\Draft BiOp\2_ESA\2.8-2.9 Integration and Synthesis and Conclusion\Spring-run Tables

Revised:

2.5 and 2.6 East Side Effects V4.doc contains revised temperature analysis for CV spring-run in the Stanislaus River section; I realized last night that I used WOA data not PA data so needed to re-do. Relative to WOA, temp effects under the PA are definitely less problematic, problematic in fewer locations, and in fewer yeartypes...but still are some unsuitable places and months and yeartypes. And it seems that modeled temps trend a bit cool relative to recent actual temps...

Stanislaus I&S table for species_SR_V2.doc in CVP ROCON\Draft BiOp\2_ESA\2.8-2.9 Integration and Synthesis and Conclusion\Spring-run Tables. Minor update to temperature-related rows based on error found last night.

--

Barb Byrne

Fish Biologist

NOAA Fisheries West Coast Region

U.S. Department of Commerce

Office: 916-930-5612

barbara.byrne@noaa.gov

California Central Valley Office

650 Capitol Mall, Suite 5-100

Sacramento, CA 95814



Find us online

www.westcoast.fisheries.noaa.gov

